DEWETRON GmbH

Parkring 4
8074 Grambach
Austria

AAT2560057
Akkreditierung Austria 0632
27.01.2025

Kalibrierstelle für elektrische Messgrößen
Calibration body for electrical measurands

akkreditiert durch / *accredited by*
AKKREDITIERUNG AUSTRIA

Kalibrierzeichen
Calibration Mark

Kalibrierschein nach ISO/IEC 17025
Calibration certificate according to ISO/IEC 17025

Gegenstand *Object*	6 Channel Data Acquisition
Hersteller *Manufacturer*	DEWETRON
Typ *Type*	TRION-1620-LV
Herstellernummer *Serial number*	A0230196
Auftraggeber *Customer*	
Kalibriernummer *Order number*	AAT2560057
Anzahl der Seiten des Kalibrierscheines *Number of pages of the certificate*	16
Datum der Kalibrierung *Date of calibration*	27.01.2025

Dieser Kalibrierschein dokumentiert die Rückführbarkeit auf nationale Normale zur Darstellung der physikalischen Einheiten in Übereinstimmung mit dem Internationalen Einheitensystem (SI).

Akkreditierung Austria ist Unterzeichner der multilateralen Übereinkommen der European Co-operation for Accreditation (EA) und der International Laboratory Accreditation Cooperation (ILAC) zur gegenseitigen Anerkennung der Kalibrierscheine.

This calibration certificate documents the traceability to national standards, which realize the physical units of measurements according to the International system of Units (SI).

Akkreditierung Austria is a signatory to the multilateral agreements of the European Co-operation for Accreditation (EA) and of the International Laboratory Accreditation Cooperation (ILAC) for the mutual recognition of calibration certificates.

Stempel *Seal*	Datum *Date*	Zeichnungsberechtigter *Authorised person*	Bearbeiter *Person responsible*
	27.01.2025	Stefan Strohmaier	Nandor Nagy

1. Kalibriergegenstand / *Calibration object*

6 Channel Data Acquisition DEWETRON TRION-1620-LV, S/N: A0230196

2. Kalibrierverfahren / *Calibration procedure*

Die Kalibrierung erfolgt durch Vergleich der durch die Kalibrierstelle / Normale dargestellten Werte mit den Ausgangsgrößen am Kalibriergegenstand beziehungsweise den am Kalibriergegenstand angezeigten Werten.
The calibration is made by comparing the readings from the laboratory / standards to the output of the calibration object respectively the values displayed on the calibration object.

Prüfroutine / *Calibration procedure*: TRION-16xx_Akkred, Rev. 2.00

3. Messergebnisse / *Measurement results*

Die Kalibrierung im Rahmen der Akkreditierung umfasst die Messgrößen Gleichspannung, Wechselspannung, Gleichstrom, Wechselstrom und Gleichstromwiderstand.
Die Messergebnisse beziehen sich ausschließlich auf diesen Kalibriergegenstand zum Zeitpunkt der Kalibrierung.
The calibration scope of the accreditation contains the quantities direct voltage, alternating voltage, direct current, alternating current and direct current resistance.
The measurement results are exclusively linked to this calibration object at the time of calibration.

4. Messunsicherheit / *Measurement uncertainty*

Angegeben ist die erweiterte Messunsicherheit, die sich aus der Standardmessunsicherheit durch Multiplikation mit dem Erweiterungsfaktor k=2 ergibt. Sie wurde gemäß EA-4/02 ermittelt. Der Wert der Messgröße liegt im Regelfall mit einer Wahrscheinlichkeit von annähernd 95% im zugeordneten Werteintervall.
Ein Anteil für die Langzeitstabilität des Kalibriergegenstandes ist nicht enthalten.
The stated extended measurement uncertainty is derived from the standard uncertainty of measurement multiplied by the coverage factor k=2. It has been determined according to EA-4/02. The measured quantity is inside the corresponding value interval with a probability of approximately 95%.
A factor for the long time stability of the calibration object is not taken into account.

5. Umgebungsbedingungen / *environmental conditions*

Temperatur / *Temperature:*	23,5 °C
Rel. Luftfeuchte / *Rel. humidity:*	36,4 % r.H.
Kalibrierort / *Place of calibration:*	DEWETRON GmbH, Parkring 4, 8074 Grambach, Austria

6. Auftragnummer / *Reference Number*

7. Status / *Status*

PASS ()

AS-FOUND:	Eingangskalibration / *Incoming calibration*
AS-LEFT:	Ausgangskalibration / *Outgoing calibration*
FOUND/LEFT:	Eingangskalibration erfüllt Herstellerspezifikation / *Incoming calibration according to manufacturer specifications*
PASS:	Messergebnis liegt innerhalb der Herstellerspezifikationen (ohne Berücksichtigung der Messunsicherheiten) / *Measurement result is within manufacturer's specifications (without taking into account the measurement uncertainties)*
FAIL:	Das Messergebnis liegt nicht innerhalb der Herstellerspezifikationen (ohne Berücksichtigung der Messunsicherheiten) / *Measurement result is out of manufacturer's specifications (without taking into account the measurement uncertainties)*

8. Verwendete Fußnoten / *Used foot notes:*

(1) Zusätzliche Messwerte außerhalb des akkreditierten Bereiches, es kann keine Konformitätsaussage getroffen werden.
(1) Additional measured values outside the accreditited scope, a conformity statement cannot be made.

9. Kommentare / *Comments*

test

Für die Festlegung und Einhaltung einer angemessenen Frist zur Wiederholung der Kalibrierung ist der Benutzer verantwortlich.
The user is responsible for the definition and the compliance to a resonable period for repeating the calibration.

10. Verwendete Normale / Standards used

Asset	Description	Serial Number	Certificate No.	Cal Date	Due Date
5522A 02	5522A CALIBRATOR	6032901	SA01246868	9-Feb-2024	8-Feb-2025
Keysight 3458A 08	3458A Multimeter	MY59353022	E5042024	23-Apr-2024	23-Apr-2025

11. Testergebnisse / Test results

Test Description	True Value	Test Result	Lower limit	Upper limit	Exp Uncert	Error	% of Tol	Status

Kalibrierverfahren / calibration method:
CAL-KV-01_Gleichspannung_v1.0_2024-07-04.xlsx-02
CAL-KV-01_Gleichspannung_v1.0_2024-07-04.xlsx-04C
CAL-KV-01_Gleichspannung_v1.0_2024-07-04.xlsx-05 (only for TRION-1603/1620-LV-6-L1B)
CAL-KV-02_Wechselspannung_v1.0_2024-07-04.xlsx-02C
CAL-KV-03 Gleichstromstärke v1.0 2024-07-04.xlsx-04C (only for TRION-1603/1620-LV-6-L1B)
CAL-KV-03_Gleichstromstärke_v1.0_2024-07-04.xlsx-07 (only for TRION-1620-ACC-6-BNC/L1B)
CAL-KV-04_Wechselstromstärke_v1.0_2024-07-04.xlsx-02C (only for TRION-1603/1620-LV-6-L1B)
CAL-KV-04_Wechselstromstärke_v1.0_2024-07-04.xlsx-04C (only for TRION-1603/1620-LV-6-L1B)

Current Temperature of DMM and Calibrator
DMM: 41.5°C
Calibrator: 26.31°C

API Version: 7.3.2.6198
Card Type: TRION-1620-LV-6-BNC
Firmware Version: 31
Model version: 2.00
XML version: SVN 1479981955
Current Resol.: 24bit
SN. of board: A0230196

All Tests done with appropriate Range
Samplerate: 400kS/s
Resolution: 24bit
Filter set to 100kHz BU 8th Order

Accuracy:
DC to 1kHz : ±0.02% of reading ±0.02% of range ±20uV
>1kHz to 5kHz : ±0.2% of reading ±0.02% of range ±20uV
>5kHz to 10kHz : ±0.5% of reading ±0.02% of range ±20uV
>10kHz to 50kHz : ±1.0% of reading ±0.02% of range ±20uV
>50kHz to 100kHz : ±3.0% of reading ±0.02% of range ±20uV

Range: 0.005V
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Test @ 0V DC

Channel 1	0.000000 V	-0.000002 V	-0.000021 V	0.000021 V	3.40 e-06 V	-0,000002 V	8.78%	Pass
Channel 2	0.000000 V	-0.000004 V	-0.000021 V	0.000021 V	3.40 e-06 V	-0,000004 V	18.9%	Pass
Channel 3	0.000000 V	-0.000004 V	-0.000021 V	0.000021 V	3.40 e-06 V	-0,000004 V	19.9%	Pass
Channel 4	0.000000 V	-0.000000 V	-0.000021 V	0.000021 V	3.40 e-06 V	0,000000 V	1.74%	Pass
Channel 5	0.000000 V	-0.000003 V	-0.000021 V	0.000021 V	3.40 e-06 V	-0,000003 V	13.8%	Pass
Channel 6	0.000000 V	-0.000004 V	-0.000021 V	0.000021 V	3.40 e-06 V	-0,000004 V	17.3%	Pass

Test @ 0.0005V DC

Channel 1	0.000500 V	0.000498 V	0.000479 V	0.000521 V	3.40 e-06 V	-0,000002 V	10.8%	Pass
Channel 2	0.000500 V	0.000496 V	0.000479 V	0.000521 V	3.40 e-06 V	-0,000004 V	17.6%	Pass
Channel 3	0.000500 V	0.000496 V	0.000479 V	0.000521 V	3.40 e-06 V	-0,000004 V	18.9%	Pass
Channel 4	0.000500 V	0.000499 V	0.000479 V	0.000521 V	3.40 e-06 V	-0,000001 V	2.51%	Pass
Channel 5	0.000500 V	0.000497 V	0.000479 V	0.000521 V	3.40 e-06 V	-0,000003 V	12.7%	Pass
Channel 6	0.000500 V	0.000496 V	0.000479 V	0.000521 V	3.40 e-06 V	-0,000004 V	18%	Pass

Test @ 0.0025V DC

Channel 1	0.002500 V	0.002499 V	0.002479 V	0.002521 V	3.40 e-06 V	-0,000001 V	4.98%	Pass
Channel 2	0.002500 V	0.002497 V	0.002479 V	0.002521 V	3.40 e-06 V	-0,000003 V	13.4%	Pass
Channel 3	0.002500 V	0.002497 V	0.002479 V	0.002521 V	3.40 e-06 V	-0,000003 V	13.6%	Pass
Channel 4	0.002500 V	0.002501 V	0.002479 V	0.002521 V	3.40 e-06 V	0,000001 V	2.76%	Pass
Channel 5	0.002500 V	0.002498 V	0.002479 V	0.002521 V	3.40 e-06 V	-0,000002 V	7.84%	Pass
Channel 6	0.002500 V	0.002497 V	0.002479 V	0.002521 V	3.40 e-06 V	-0,000003 V	12.4%	Pass

Test @ 0.0045V DC

Channel 1	0.004500 V	0.004497 V	0.004478 V	0.004522 V	3.40 e-06 V	-0,000003 V	12.1%	Pass
Channel 2	0.004500 V	0.004496 V	0.004478 V	0.004522 V	3.40 e-06 V	-0,000004 V	19.4%	Pass
Channel 3	0.004500 V	0.004495 V	0.004478 V	0.004522 V	3.40 e-06 V	-0,000005 V	20.8%	Pass
Channel 4	0.004500 V	0.004499 V	0.004478 V	0.004522 V	3.40 e-06 V	-0,000001 V	2.91%	Pass
Channel 5	0.004500 V	0.004497 V	0.004478 V	0.004522 V	3.40 e-06 V	-0,000003 V	14.5%	Pass
Channel 6	0.004500 V	0.004496 V	0.004478 V	0.004522 V	3.40 e-06 V	-0,000004 V	18.7%	Pass

Test @ -0.0045V DC

Channel 1	-0.004500 V	-0.004499 V	-0.004522 V	-0.004478 V	3.40 e-06 V	0,000001 V	3.68%	Pass
Channel 2	-0.004500 V	-0.004501 V	-0.004522 V	-0.004478 V	3.40 e-06 V	-0,000001 V	3.2%	Pass
Channel 3	-0.004500 V	-0.004501 V	-0.004522 V	-0.004478 V	3.40 e-06 V	-0,000001 V	3.91%	Pass
Channel 4	-0.004500 V	-0.004500 V	-0.004522 V	-0.004478 V	3.40 e-06 V	0,000000 V	1.98%	Pass

11. Testergebnisse / Test results

Test Description	True Value	Test Result	Lower limit	Upper limit	Exp Uncert	Error	% of Tol	Status
Channel 5	-0.004500 V	-0.004501 V	-0.004522 V	-0.004478 V	3.40 e-06 V	-0,000001 V	2.33%	Pass
Channel 6	-0.004500 V	-0.004501 V	-0.004522 V	-0.004478 V	3.40 e-06 V	-0,000001 V	3.14%	Pass
Test @ 0.0035V_RMS @ 20Hz								
Channel 1	0.003500 V	0.003498 V	0.003478 V	0.003522 V	12.00 e-06 V	-0,000002 V	9.26%	Pass
Channel 2	0.003500 V	0.003498 V	0.003478 V	0.003522 V	12.00 e-06 V	-0,000002 V	9.35%	Pass
Channel 3	0.003500 V	0.003498 V	0.003478 V	0.003522 V	12.00 e-06 V	-0,000002 V	9.91%	Pass
Channel 4	0.003500 V	0.003499 V	0.003478 V	0.003522 V	12.00 e-06 V	-0,000001 V	6.18%	Pass
Channel 5	0.003500 V	0.003498 V	0.003478 V	0.003522 V	12.00 e-06 V	-0,000002 V	8.88%	Pass
Channel 6	0.003500 V	0.003498 V	0.003478 V	0.003522 V	12.00 e-06 V	-0,000002 V	8.66%	Pass
Test @ 0.0035V RMS @ 50Hz								
Channel 1	0.003500 V	0.003498 V	0.003478 V	0.003522 V	8.80 e-06 V	-0,000002 V	10%	Pass
Channel 2	0.003500 V	0.003498 V	0.003478 V	0.003522 V	8.80 e-06 V	-0,000002 V	10.2%	Pass
Channel 3	0.003500 V	0.003498 V	0.003478 V	0.003522 V	8.80 e-06 V	-0,000002 V	10.5%	Pass
Channel 4	0.003500 V	0.003499 V	0.003478 V	0.003522 V	8.80 e-06 V	-0,000001 V	6.74%	Pass
Channel 5	0.003500 V	0.003498 V	0.003478 V	0.003522 V	8.80 e-06 V	-0,000002 V	9.02%	Pass
Channel 6	0.003500 V	0.003498 V	0.003478 V	0.003522 V	8.80 e-06 V	-0,000002 V	9.14%	Pass
Test @ 0.0035V_RMS @ 1000Hz								
Channel 1	0.003500 V	0.003498 V	0.003478 V	0.003522 V	8.80 e-06 V	-0,000002 V	10.8%	Pass
Channel 2	0.003500 V	0.003498 V	0.003478 V	0.003522 V	8.80 e-06 V	-0,000002 V	10.5%	Pass
Channel 3	0.003500 V	0.003498 V	0.003478 V	0.003522 V	8.80 e-06 V	-0,000002 V	11.1%	Pass
Channel 4	0.003500 V	0.003498 V	0.003478 V	0.003522 V	8.80 e-06 V	-0,000002 V	7.73%	Pass
Channel 5	0.003500 V	0.003498 V	0.003478 V	0.003522 V	8.80 e-06 V	-0,000002 V	9.92%	Pass
Channel 6	0.003500 V	0.003498 V	0.003478 V	0.003522 V	8.80 e-06 V	-0,000002 V	9.85%	Pass
Range: 0.01V								
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Test @ 0.001V DC								
Channel 1	0.001000 V	0.000999 V	0.000978 V	0.001022 V	3.40 e-06 V	-0,000001 V	4.26%	Pass
Channel 2	0.001000 V	0.000999 V	0.000978 V	0.001022 V	3.40 e-06 V	-0,000001 V	5.41%	Pass
Channel 3	0.001000 V	0.000999 V	0.000978 V	0.001022 V	3.40 e-06 V	-0,000001 V	6.72%	Pass
Channel 4	0.001000 V	0.001001 V	0.000978 V	0.001022 V	3.40 e-06 V	0,000001 V	2.88%	Pass
Channel 5	0.001000 V	0.000999 V	0.000978 V	0.001022 V	3.40 e-06 V	-0,000001 V	4.4%	Pass
Channel 6	0.001000 V	0.000998 V	0.000978 V	0.001022 V	3.40 e-06 V	-0,000002 V	8.83%	Pass
Test @ 0.005V DC								
Channel 1	0.005000 V	0.004998 V	0.004977 V	0.005023 V	3.40 e-06 V	-0,000002 V	6.83%	Pass
Channel 2	0.005000 V	0.004998 V	0.004977 V	0.005023 V	3.40 e-06 V	-0,000002 V	6.93%	Pass
Channel 3	0.005000 V	0.004997 V	0.004977 V	0.005023 V	3.40 e-06 V	-0,000003 V	10.9%	Pass
Channel 4	0.005000 V	0.004999 V	0.004977 V	0.005023 V	3.40 e-06 V	-0,000001 V	2.78%	Pass
Channel 5	0.005000 V	0.004998 V	0.004977 V	0.005023 V	3.40 e-06 V	-0,000002 V	6.67%	Pass
Channel 6	0.005000 V	0.004998 V	0.004977 V	0.005023 V	3.40 e-06 V	-0,000002 V	10.8%	Pass
Test @ 0.009V DC								
Channel 1	0.009000 V	0.008998 V	0.008976 V	0.009024 V	3.50 e-06 V	-0,000002 V	8.54%	Pass
Channel 2	0.009000 V	0.008998 V	0.008976 V	0.009024 V	3.50 e-06 V	-0,000002 V	9.23%	Pass
Channel 3	0.009000 V	0.008997 V	0.008976 V	0.009024 V	3.50 e-06 V	-0,000003 V	12.2%	Pass
Channel 4	0.009000 V	0.008999 V	0.008976 V	0.009024 V	3.50 e-06 V	-0,000001 V	6.06%	Pass
Channel 5	0.009000 V	0.008998 V	0.008976 V	0.009024 V	3.50 e-06 V	-0,000002 V	7.13%	Pass
Channel 6	0.009000 V	0.008997 V	0.008976 V	0.009024 V	3.50 e-06 V	-0,000003 V	13.2%	Pass
Test @ -0.009V DC								
Channel 1	-0.009000 V	-0.009000 V	-0.009024 V	-0.008976 V	3.50 e-06 V	0,000000 V	1.32%	Pass
Channel 2	-0.009000 V	-0.008999 V	-0.009024 V	-0.008976 V	3.50 e-06 V	0,000001 V	4.15%	Pass
Channel 3	-0.009000 V	-0.009000 V	-0.009024 V	-0.008976 V	3.50 e-06 V	0,000000 V	2.02%	Pass
Channel 4	-0.009000 V	-0.008999 V	-0.009024 V	-0.008976 V	3.50 e-06 V	0,000001 V	4.85%	Pass
Channel 5	-0.009000 V	-0.009000 V	-0.009024 V	-0.008976 V	3.50 e-06 V	0,000000 V	1.57%	Pass
Channel 6	-0.009000 V	-0.009000 V	-0.009024 V	-0.008976 V	3.50 e-06 V	0,000000 V	0.672%	Pass
Test @ 0.007V_RMS @ 20Hz								
Channel 1	0.007000 V	0.006997 V	0.006977 V	0.007023 V	15.00 e-06 V	-0,000003 V	11.5%	Pass
Channel 2	0.007000 V	0.006997 V	0.006977 V	0.007023 V	15.00 e-06 V	-0,000003 V	12.9%	Pass
Channel 3	0.007000 V	0.006997 V	0.006977 V	0.007023 V	15.00 e-06 V	-0,000003 V	12.4%	Pass
Channel 4	0.007000 V	0.006997 V	0.006977 V	0.007023 V	15.00 e-06 V	-0,000003 V	11.1%	Pass
Channel 5	0.007000 V	0.006997 V	0.006977 V	0.007023 V	15.00 e-06 V	-0,000003 V	10.9%	Pass
Channel 6	0.007000 V	0.006997 V	0.006977 V	0.007023 V	15.00 e-06 V	-0,000003 V	13.3%	Pass
Test @ 0.007V_RMS @ 50Hz								
Channel 1	0.007000 V	0.006997 V	0.006977 V	0.007023 V	9.50 e-06 V	-0,000003 V	10.7%	Pass
Channel 2	0.007000 V	0.006997 V	0.006977 V	0.007023 V	9.50 e-06 V	-0,000003 V	12.2%	Pass
Channel 3	0.007000 V	0.006997 V	0.006977 V	0.007023 V	9.50 e-06 V	-0,000003 V	11.6%	Pass
Channel 4	0.007000 V	0.006997 V	0.006977 V	0.007023 V	9.50 e-06 V	-0,000003 V	10.7%	Pass
Channel 5	0.007000 V	0.006998 V	0.006977 V	0.007023 V	9.50 e-06 V	-0,000002 V	10.2%	Pass
Channel 6	0.007000 V	0.006997 V	0.006977 V	0.007023 V	9.50 e-06 V	-0,000003 V	12.8%	Pass
Test @ 0.007V RMS @ 1000Hz								

11. Testergebnisse / Test results

Test Description	True Value	Test Result	Lower limit	Upper limit	Exp Uncert	Error	% of Tol	Status
Channel 1	0.007000 V	0.006997 V	0.006977 V	0.007023 V	9.50 e-06 V	-0,000003 V	14.2%	Pass
Channel 2	0.007000 V	0.006996 V	0.006977 V	0.007023 V	9.50 e-06 V	-0,000004 V	15.2%	Pass
Channel 3	0.007000 V	0.006997 V	0.006977 V	0.007023 V	9.50 e-06 V	-0,000003 V	14.8%	Pass
Channel 4	0.007000 V	0.006997 V	0.006977 V	0.007023 V	9.50 e-06 V	-0,000003 V	13.4%	Pass
Channel 5	0.007000 V	0.006997 V	0.006977 V	0.007023 V	9.50 e-06 V	-0,000003 V	13.3%	Pass
Channel 6	0.007000 V	0.006996 V	0.006977 V	0.007023 V	9.50 e-06 V	-0,000004 V	15.9%	Pass
Range: 0.02V								
################################								
Test @ 0.002V DC								
Channel 1	0.002000 V	0.001999 V	0.001976 V	0.002024 V	3.40 e-06 V	-0,000001 V	5.07%	Pass
Channel 2	0.002000 V	0.002000 V	0.001976 V	0.002024 V	3.40 e-06 V	0,000000 V	1.37%	Pass
Channel 3	0.002000 V	0.001999 V	0.001976 V	0.002024 V	3.40 e-06 V	-0,000001 V	4.48%	Pass
Channel 4	0.002000 V	0.002001 V	0.001976 V	0.002024 V	3.40 e-06 V	0,000001 V	2.79%	Pass
Channel 5	0.002000 V	0.002000 V	0.001976 V	0.002024 V	3.40 e-06 V	0,000000 V	1.8%	Pass
Channel 6	0.002000 V	0.001999 V	0.001976 V	0.002024 V	3.40 e-06 V	-0,000001 V	4.21%	Pass
Test @ 0.01V DC								
Channel 1	0.010000 V	0.009999 V	0.009974 V	0.010026 V	3.50 e-06 V	-0,000001 V	4.18%	Pass
Channel 2	0.010000 V	0.010000 V	0.009974 V	0.010026 V	3.50 e-06 V	0,000000 V	0.295%	Pass
Channel 3	0.010000 V	0.009999 V	0.009974 V	0.010026 V	3.50 e-06 V	-0,000001 V	4.18%	Pass
Channel 4	0.010000 V	0.010001 V	0.009974 V	0.010026 V	3.50 e-06 V	0,000001 V	4.23%	Pass
Channel 5	0.010000 V	0.010001 V	0.009974 V	0.010026 V	3.50 e-06 V	0,000001 V	2.18%	Pass
Channel 6	0.010000 V	0.009999 V	0.009974 V	0.010026 V	3.50 e-06 V	-0,000001 V	2.08%	Pass
Test @ 0.018V DC								
Channel 1	0.018000 V	0.017998 V	0.017972 V	0.018028 V	3.50 e-06 V	-0,000002 V	6.16%	Pass
Channel 2	0.018000 V	0.017999 V	0.017972 V	0.018028 V	3.50 e-06 V	-0,000001 V	5.07%	Pass
Channel 3	0.018000 V	0.017998 V	0.017972 V	0.018028 V	3.50 e-06 V	-0,000002 V	8.33%	Pass
Channel 4	0.018000 V	0.018001 V	0.017972 V	0.018028 V	3.50 e-06 V	0,000001 V	3.14%	Pass
Channel 5	0.018000 V	0.017999 V	0.017972 V	0.018028 V	3.50 e-06 V	-0,000001 V	3.26%	Pass
Channel 6	0.018000 V	0.017998 V	0.017972 V	0.018028 V	3.50 e-06 V	-0,000002 V	5.92%	Pass
Test @ -0.018V DC								
Channel 1	-0.018000 V	-0.018000 V	-0.018028 V	-0.017972 V	3.50 e-06 V	0,000000 V	0.604%	Pass
Channel 2	-0.018000 V	-0.017997 V	-0.018028 V	-0.017972 V	3.50 e-06 V	0,000003 V	10%	Pass
Channel 3	-0.018000 V	-0.017999 V	-0.018028 V	-0.017972 V	3.50 e-06 V	0,000001 V	5.19%	Pass
Channel 4	-0.018000 V	-0.017999 V	-0.018028 V	-0.017972 V	3.50 e-06 V	0,000001 V	2.54%	Pass
Channel 5	-0.018000 V	-0.017997 V	-0.018028 V	-0.017972 V	3.50 e-06 V	0,000003 V	9.78%	Pass
Channel 6	-0.018000 V	-0.017999 V	-0.018028 V	-0.017972 V	3.50 e-06 V	0,000001 V	3.38%	Pass
Test @ 0.014V_RMS @ 20Hz								
Channel 1	0.014000 V	0.013995 V	0.013973 V	0.014027 V	23.00 e-06 V	-0,000005 V	17.5%	Pass
Channel 2	0.014000 V	0.013994 V	0.013973 V	0.014027 V	23.00 e-06 V	-0,000006 V	21.1%	Pass
Channel 3	0.014000 V	0.013995 V	0.013973 V	0.014027 V	23.00 e-06 V	-0,000005 V	20.5%	Pass
Channel 4	0.014000 V	0.013996 V	0.013973 V	0.014027 V	23.00 e-06 V	-0,000004 V	16.2%	Pass
Channel 5	0.014000 V	0.013995 V	0.013973 V	0.014027 V	23.00 e-06 V	-0,000005 V	20.4%	Pass
Channel 6	0.014000 V	0.013995 V	0.013973 V	0.014027 V	23.00 e-06 V	-0,000005 V	19.5%	Pass
Test @ 0.014V RMS @ 50Hz								
Channel 1	0.014000 V	0.013996 V	0.013973 V	0.014027 V	11.00 e-06 V	-0,000004 V	16%	Pass
Channel 2	0.014000 V	0.013995 V	0.013973 V	0.014027 V	11.00 e-06 V	-0,000005 V	19.5%	Pass
Channel 3	0.014000 V	0.013995 V	0.013973 V	0.014027 V	11.00 e-06 V	-0,000005 V	19%	Pass
Channel 4	0.014000 V	0.013996 V	0.013973 V	0.014027 V	11.00 e-06 V	-0,000004 V	14.7%	Pass
Channel 5	0.014000 V	0.013995 V	0.013973 V	0.014027 V	11.00 e-06 V	-0,000005 V	19.2%	Pass
Channel 6	0.014000 V	0.013995 V	0.013973 V	0.014027 V	11.00 e-06 V	-0,000005 V	18.2%	Pass
Test @ 0.014V_RMS @ 1000Hz								
Channel 1	0.014000 V	0.013994 V	0.013973 V	0.014027 V	11.00 e-06 V	-0,000006 V	20.9%	Pass
Channel 2	0.014000 V	0.013994 V	0.013973 V	0.014027 V	11.00 e-06 V	-0,000006 V	23.9%	Pass
Channel 3	0.014000 V	0.013994 V	0.013973 V	0.014027 V	11.00 e-06 V	-0,000006 V	23.6%	Pass
Channel 4	0.014000 V	0.013995 V	0.013973 V	0.014027 V	11.00 e-06 V	-0,000005 V	19.3%	Pass
Channel 5	0.014000 V	0.013994 V	0.013973 V	0.014027 V	11.00 e-06 V	-0,000006 V	23.1%	Pass
Channel 6	0.014000 V	0.013994 V	0.013973 V	0.014027 V	11.00 e-06 V	-0,000006 V	22.5%	Pass
Range: 0.05V								
################################								
Test @ 0.005V DC								
Channel 1	0.005000 V	0.004999 V	0.004969 V	0.005031 V	3.40 e-06 V	-0,000001 V	4.29%	Pass
Channel 2	0.005000 V	0.004999 V	0.004969 V	0.005031 V	3.40 e-06 V	-0,000001 V	4.71%	Pass
Channel 3	0.005000 V	0.004998 V	0.004969 V	0.005031 V	3.40 e-06 V	-0,000002 V	5.7%	Pass
Channel 4	0.005000 V	0.005001 V	0.004969 V	0.005031 V	3.40 e-06 V	0,000001 V	4.01%	Pass
Channel 5	0.005000 V	0.005000 V	0.004969 V	0.005031 V	3.40 e-06 V	0,000000 V	1.55%	Pass
Channel 6	0.005000 V	0.004999 V	0.004969 V	0.005031 V	3.40 e-06 V	-0,000001 V	1.96%	Pass
Test @ 0.025V DC								

11. Testergebnisse / Test results

Test Description	True Value	Test Result	Lower limit	Upper limit	Exp Uncert	Error	% of Tol	Status
Channel 1	0.025000 V	0.024999 V	0.024965 V	0.025035 V	3.60 e-06 V	-0,000001 V	1.52%	Pass
Channel 2	0.025000 V	0.025000 V	0.024965 V	0.025035 V	3.60 e-06 V	0,000000 V	1.43%	Pass
Channel 3	0.025000 V	0.024999 V	0.024965 V	0.025035 V	3.60 e-06 V	-0,000001 V	2.29%	Pass
Channel 4	0.025000 V	0.025002 V	0.024965 V	0.025035 V	3.60 e-06 V	0,000002 V	5.52%	Pass
Channel 5	0.025000 V	0.025000 V	0.024965 V	0.025035 V	3.60 e-06 V	0,000000 V	0.476%	Pass
Channel 6	0.025000 V	0.025000 V	0.024965 V	0.025035 V	3.60 e-06 V	0,000000 V	1.24%	Pass
Test @ 0.045V DC								
Channel 1	0.045000 V	0.045001 V	0.044961 V	0.045039 V	3.80 e-06 V	0,000001 V	2.65%	Pass
Channel 2	0.045000 V	0.045000 V	0.044961 V	0.045039 V	3.80 e-06 V	0,000000 V	1.11%	Pass
Channel 3	0.045000 V	0.045000 V	0.044961 V	0.045039 V	3.80 e-06 V	0,000000 V	0.769%	Pass
Channel 4	0.045000 V	0.045002 V	0.044961 V	0.045039 V	3.80 e-06 V	0,000002 V	4.96%	Pass
Channel 5	0.045000 V	0.045000 V	0.044961 V	0.045039 V	3.80 e-06 V	0,000000 V	0.427%	Pass
Channel 6	0.045000 V	0.045000 V	0.044961 V	0.045039 V	3.80 e-06 V	0,000000 V	0.598%	Pass
Test @ -0.045V DC								
Channel 1	-0.045000 V	-0.045001 V	-0.045039 V	-0.044961 V	3.80 e-06 V	-0,000001 V	1.79%	Pass
Channel 2	-0.045000 V	-0.044999 V	-0.045039 V	-0.044961 V	3.80 e-06 V	0,000001 V	2.99%	Pass
Channel 3	-0.045000 V	-0.045000 V	-0.045039 V	-0.044961 V	3.80 e-06 V	0,000000 V	0.171%	Pass
Channel 4	-0.045000 V	-0.044998 V	-0.045039 V	-0.044961 V	3.80 e-06 V	0,000002 V	5.21%	Pass
Channel 5	-0.045000 V	-0.044996 V	-0.045039 V	-0.044961 V	3.80 e-06 V	0,000004 V	10.9%	Pass
Channel 6	-0.045000 V	-0.044998 V	-0.045039 V	-0.044961 V	3.80 e-06 V	0,000002 V	5.21%	Pass
Test @ 0.035V_RMS @ 20Hz								
Channel 1	0.035000 V	0.034990 V	0.034963 V	0.035037 V	24.00 e-06 V	-0,000010 V	26.8%	Pass
Channel 2	0.035000 V	0.034989 V	0.034963 V	0.035037 V	24.00 e-06 V	-0,000011 V	29.9%	Pass
Channel 3	0.035000 V	0.034989 V	0.034963 V	0.035037 V	24.00 e-06 V	-0,000011 V	28.6%	Pass
Channel 4	0.035000 V	0.034990 V	0.034963 V	0.035037 V	24.00 e-06 V	-0,000010 V	28.4%	Pass
Channel 5	0.035000 V	0.034988 V	0.034963 V	0.035037 V	24.00 e-06 V	-0,000012 V	33.2%	Pass
Channel 6	0.035000 V	0.034989 V	0.034963 V	0.035037 V	24.00 e-06 V	-0,000011 V	30.5%	Pass
Test @ 0.035V RMS @ 50Hz								
Channel 1	0.035000 V	0.034990 V	0.034963 V	0.035037 V	17.00 e-06 V	-0,000010 V	26.8%	Pass
Channel 2	0.035000 V	0.034989 V	0.034963 V	0.035037 V	17.00 e-06 V	-0,000011 V	30.3%	Pass
Channel 3	0.035000 V	0.034989 V	0.034963 V	0.035037 V	17.00 e-06 V	-0,000011 V	29.4%	Pass
Channel 4	0.035000 V	0.034989 V	0.034963 V	0.035037 V	17.00 e-06 V	-0,000011 V	28.6%	Pass
Channel 5	0.035000 V	0.034988 V	0.034963 V	0.035037 V	17.00 e-06 V	-0,000012 V	32.8%	Pass
Channel 6	0.035000 V	0.034989 V	0.034963 V	0.035037 V	17.00 e-06 V	-0,000011 V	30.3%	Pass
Test @ 0.035V_RMS @ 1000Hz								
Channel 1	0.035000 V	0.034988 V	0.034963 V	0.035037 V	17.00 e-06 V	-0,000012 V	33.7%	Pass
Channel 2	0.035000 V	0.034987 V	0.034963 V	0.035037 V	17.00 e-06 V	-0,000013 V	36%	Pass
Channel 3	0.035000 V	0.034987 V	0.034963 V	0.035037 V	17.00 e-06 V	-0,000013 V	34.9%	Pass
Channel 4	0.035000 V	0.034988 V	0.034963 V	0.035037 V	17.00 e-06 V	-0,000012 V	33.5%	Pass
Channel 5	0.035000 V	0.034986 V	0.034963 V	0.035037 V	17.00 e-06 V	-0,000014 V	37.8%	Pass
Channel 6	0.035000 V	0.034987 V	0.034963 V	0.035037 V	17.00 e-06 V	-0,000013 V	35.1%	Pass
Range: 0.1V								
################################								
Test @ 0.01V DC								
Channel 1	0.010000 V	0.010000 V	0.009958 V	0.010042 V	3.50 e-06 V	0,000000 V	0.405%	Pass
Channel 2	0.010000 V	0.009998 V	0.009958 V	0.010042 V	3.50 e-06 V	-0,000002 V	4.79%	Pass
Channel 3	0.010000 V	0.009997 V	0.009958 V	0.010042 V	3.50 e-06 V	-0,000003 V	7.15%	Pass
Channel 4	0.010000 V	0.010001 V	0.009958 V	0.010042 V	3.50 e-06 V	0,000001 V	3.02%	Pass
Channel 5	0.010000 V	0.010001 V	0.009958 V	0.010042 V	3.50 e-06 V	0,000001 V	3.49%	Pass
Channel 6	0.010000 V	0.010000 V	0.009958 V	0.010042 V	3.50 e-06 V	0,000000 V	0.151%	Pass
Test @ 0.05V DC								
Channel 1	0.050000 V	0.050003 V	0.049950 V	0.050050 V	3.80 e-06 V	0,000003 V	6.6%	Pass
Channel 2	0.050000 V	0.050001 V	0.049950 V	0.050050 V	3.80 e-06 V	0,000001 V	1.93%	Pass
Channel 3	0.050000 V	0.050000 V	0.049950 V	0.050050 V	3.80 e-06 V	0,000000 V	0.133%	Pass
Channel 4	0.050000 V	0.050004 V	0.049950 V	0.050050 V	3.80 e-06 V	0,000004 V	7.53%	Pass
Channel 5	0.050000 V	0.050003 V	0.049950 V	0.050050 V	3.80 e-06 V	0,000003 V	6.33%	Pass
Channel 6	0.050000 V	0.050002 V	0.049950 V	0.050050 V	3.80 e-06 V	0,000002 V	4.93%	Pass
Test @ 0.09V DC								
Channel 1	0.090000 V	0.090004 V	0.089942 V	0.090058 V	4.10 e-06 V	0,000004 V	7.53%	Pass
Channel 2	0.090000 V	0.090000 V	0.089942 V	0.090058 V	4.10 e-06 V	0,000000 V	0.862%	Pass
Channel 3	0.090000 V	0.090000 V	0.089942 V	0.090058 V	4.10 e-06 V	0,000000 V	0.517%	Pass
Channel 4	0.090000 V	0.090004 V	0.089942 V	0.090058 V	4.10 e-06 V	0,000004 V	7.01%	Pass
Channel 5	0.090000 V	0.090003 V	0.089942 V	0.090058 V	4.10 e-06 V	0,000003 V	4.48%	Pass
Channel 6	0.090000 V	0.090001 V	0.089942 V	0.090058 V	4.10 e-06 V	0,000001 V	2.53%	Pass
Test @ -0.09V DC								
Channel 1	-0.090000 V	-0.090003 V	-0.090058 V	-0.089942 V	4.10 e-06 V	-0,000003 V	5.57%	Pass
Channel 2	-0.090000 V	-0.090004 V	-0.090058 V	-0.089942 V	4.10 e-06 V	-0,000004 V	6.21%	Pass
Channel 3	-0.090000 V	-0.090004 V	-0.090058 V	-0.089942 V	4.10 e-06 V	-0,000004 V	7.3%	Pass
Channel 4	-0.090000 V	-0.090003 V	-0.090058 V	-0.089942 V	4.10 e-06 V	-0,000003 V	5.23%	Pass

11. Testergebnisse / Test results

Test Description	True Value	Test Result	Lower limit	Upper limit	Exp Uncert	Error	% of Tol	Status
Channel 5	-0.090000 V	-0.089998 V	-0.090058 V	-0.089942 V	4.10 e-06 V	0,000002 V	2.93%	Pass
Channel 6	-0.090000 V	-0.089998 V	-0.090058 V	-0.089942 V	4.10 e-06 V	0,000002 V	3.39%	Pass
Test @ 0.07V_RMS @ 20Hz								
Channel 1	0.070000 V	0.069981 V	0.069946 V	0.070054 V	37.00 e-06 V	-0,000019 V	35.4%	Pass
Channel 2	0.070000 V	0.069980 V	0.069946 V	0.070054 V	37.00 e-06 V	-0,000020 V	37.7%	Pass
Channel 3	0.070000 V	0.069979 V	0.069946 V	0.070054 V	37.00 e-06 V	-0,000021 V	38%	Pass
Channel 4	0.070000 V	0.069981 V	0.069946 V	0.070054 V	37.00 e-06 V	-0,000019 V	35.7%	Pass
Channel 5	0.070000 V	0.069979 V	0.069946 V	0.070054 V	37.00 e-06 V	-0,000021 V	39.5%	Pass
Channel 6	0.070000 V	0.069978 V	0.069946 V	0.070054 V	37.00 e-06 V	-0,000022 V	40.6%	Pass
Test @ 0.07V RMS @ 50Hz								
Channel 1	0.070000 V	0.069982 V	0.069946 V	0.070054 V	23.00 e-06 V	-0,000018 V	33.3%	Pass
Channel 2	0.070000 V	0.069981 V	0.069946 V	0.070054 V	23.00 e-06 V	-0,000019 V	35.5%	Pass
Channel 3	0.070000 V	0.069980 V	0.069946 V	0.070054 V	23.00 e-06 V	-0,000020 V	36.3%	Pass
Channel 4	0.070000 V	0.069981 V	0.069946 V	0.070054 V	23.00 e-06 V	-0,000019 V	34.7%	Pass
Channel 5	0.070000 V	0.069979 V	0.069946 V	0.070054 V	23.00 e-06 V	-0,000021 V	38.6%	Pass
Channel 6	0.070000 V	0.069979 V	0.069946 V	0.070054 V	23.00 e-06 V	-0,000021 V	39.7%	Pass
Test @ 0.07V_RMS @ 1000Hz								
Channel 1	0.070000 V	0.069976 V	0.069946 V	0.070054 V	23.00 e-06 V	-0,000024 V	44.5%	Pass
Channel 2	0.070000 V	0.069976 V	0.069946 V	0.070054 V	23.00 e-06 V	-0,000024 V	45%	Pass
Channel 3	0.070000 V	0.069975 V	0.069946 V	0.070054 V	23.00 e-06 V	-0,000025 V	45.4%	Pass
Channel 4	0.070000 V	0.069977 V	0.069946 V	0.070054 V	23.00 e-06 V	-0,000023 V	43.1%	Pass
Channel 5	0.070000 V	0.069974 V	0.069946 V	0.070054 V	23.00 e-06 V	-0,000026 V	47.2%	Pass
Channel 6	0.070000 V	0.069974 V	0.069946 V	0.070054 V	23.00 e-06 V	-0,000026 V	48.5%	Pass
Range: 0.2V								
################################								
Test @ 0.02V DC								
Channel 1	0.020000 V	0.020001 V	0.019936 V	0.020064 V	3.60 e-06 V	0,000001 V	2.14%	Pass
Channel 2	0.020000 V	0.019998 V	0.019936 V	0.020064 V	3.60 e-06 V	-0,000002 V	3.39%	Pass
Channel 3	0.020000 V	0.019997 V	0.019936 V	0.020064 V	3.60 e-06 V	-0,000003 V	4.48%	Pass
Channel 4	0.020000 V	0.020001 V	0.019936 V	0.020064 V	3.60 e-06 V	0,000001 V	0.99%	Pass
Channel 5	0.020000 V	0.020002 V	0.019936 V	0.020064 V	3.60 e-06 V	0,000002 V	3.07%	Pass
Channel 6	0.020000 V	0.020003 V	0.019936 V	0.020064 V	3.60 e-06 V	0,000003 V	5.26%	Pass
Test @ 0.1V DC								
Channel 1	0.100000 V	0.100003 V	0.099920 V	0.100080 V	4.20 e-06 V	0,000003 V	4.17%	Pass
Channel 2	0.100000 V	0.100000 V	0.099920 V	0.100080 V	4.20 e-06 V	0,000000 V	0.542%	Pass
Channel 3	0.100000 V	0.100001 V	0.099920 V	0.100080 V	4.20 e-06 V	0,000001 V	1.25%	Pass
Channel 4	0.100000 V	0.100005 V	0.099920 V	0.100080 V	4.20 e-06 V	0,000005 V	6.67%	Pass
Channel 5	0.100000 V	0.100004 V	0.099920 V	0.100080 V	4.20 e-06 V	0,000004 V	5.42%	Pass
Channel 6	0.100000 V	0.100007 V	0.099920 V	0.100080 V	4.20 e-06 V	0,000007 V	8.75%	Pass
Test @ 0.18V DC								
Channel 1	0.180000 V	0.180004 V	0.179904 V	0.180096 V	4.50 e-06 V	0,000004 V	4.17%	Pass
Channel 2	0.180000 V	0.179998 V	0.179904 V	0.180096 V	4.50 e-06 V	-0,000002 V	2.08%	Pass
Channel 3	0.180000 V	0.180000 V	0.179904 V	0.180096 V	4.50 e-06 V	0,000000 V	2.89e-011%	Pass
Channel 4	0.180000 V	0.180006 V	0.179904 V	0.180096 V	4.50 e-06 V	0,000006 V	6.25%	Pass
Channel 5	0.180000 V	0.180003 V	0.179904 V	0.180096 V	4.50 e-06 V	0,000003 V	3.47%	Pass
Channel 6	0.180000 V	0.180005 V	0.179904 V	0.180096 V	4.50 e-06 V	0,000005 V	5.21%	Pass
Test @ -0.18V DC								
Channel 1	-0.180000 V	-0.180000 V	-0.180096 V	-0.179904 V	4.50 e-06 V	0,000000 V	2.89e-011%	Pass
Channel 2	-0.180000 V	-0.180002 V	-0.180096 V	-0.179904 V	4.50 e-06 V	-0,000002 V	2.08%	Pass
Channel 3	-0.180000 V	-0.180006 V	-0.180096 V	-0.179904 V	4.50 e-06 V	-0,000006 V	5.9%	Pass
Channel 4	-0.180000 V	-0.180008 V	-0.180096 V	-0.179904 V	4.50 e-06 V	-0,000008 V	8.33%	Pass
Channel 5	-0.180000 V	-0.179998 V	-0.180096 V	-0.179904 V	4.50 e-06 V	0,000002 V	2.43%	Pass
Channel 6	-0.180000 V	-0.179997 V	-0.180096 V	-0.179904 V	4.50 e-06 V	0,000003 V	3.47%	Pass
Test @ 0.14V_RMS @ 20Hz								
Channel 1	0.140000 V	0.139955 V	0.139912 V	0.140088 V	63.00 e-06 V	-0,000045 V	50.8%	Pass
Channel 2	0.140000 V	0.139954 V	0.139912 V	0.140088 V	63.00 e-06 V	-0,000046 V	51.9%	Pass
Channel 3	0.140000 V	0.139957 V	0.139912 V	0.140088 V	63.00 e-06 V	-0,000043 V	49.2%	Pass
Channel 4	0.140000 V	0.139960 V	0.139912 V	0.140088 V	63.00 e-06 V	-0,000040 V	45.5%	Pass
Channel 5	0.140000 V	0.139955 V	0.139912 V	0.140088 V	63.00 e-06 V	-0,000045 V	51.1%	Pass
Channel 6	0.140000 V	0.139955 V	0.139912 V	0.140088 V	63.00 e-06 V	-0,000045 V	50.8%	Pass
Test @ 0.14V_RMS @ 50Hz								
Channel 1	0.140000 V	0.139958 V	0.139912 V	0.140088 V	53.00 e-06 V	-0,000042 V	47.7%	Pass
Channel 2	0.140000 V	0.139956 V	0.139912 V	0.140088 V	53.00 e-06 V	-0,000044 V	50%	Pass
Channel 3	0.140000 V	0.139958 V	0.139912 V	0.140088 V	53.00 e-06 V	-0,000042 V	47.7%	Pass
Channel 4	0.140000 V	0.139961 V	0.139912 V	0.140088 V	53.00 e-06 V	-0,000039 V	44.3%	Pass
Channel 5	0.140000 V	0.139956 V	0.139912 V	0.140088 V	53.00 e-06 V	-0,000044 V	50%	Pass
Channel 6	0.140000 V	0.139956 V	0.139912 V	0.140088 V	53.00 e-06 V	-0,000044 V	50%	Pass
Test @ 0.14V RMS @ 1000Hz								

11. Testergebnisse / Test results

Test Description	True Value	Test Result	Lower limit	Upper limit	Exp Uncert	Error	% of Tol	Status
Channel 1	0.140000 V	0.139989 V	0.139912 V	0.140088 V	53.00 e-06 V	-0,000011 V	12.5%	Pass
Channel 2	0.140000 V	0.139990 V	0.139912 V	0.140088 V	53.00 e-06 V	-0,000010 V	11.4%	Pass
Channel 3	0.140000 V	0.139991 V	0.139912 V	0.140088 V	53.00 e-06 V	-0,000009 V	10.2%	Pass
Channel 4	0.140000 V	0.139994 V	0.139912 V	0.140088 V	53.00 e-06 V	-0,000006 V	6.82%	Pass
Channel 5	0.140000 V	0.139990 V	0.139912 V	0.140088 V	53.00 e-06 V	-0,000010 V	11.4%	Pass
Channel 6	0.140000 V	0.139990 V	0.139912 V	0.140088 V	53.00 e-06 V	-0,000010 V	11.4%	Pass
Range: 0.5V								
################################								
Test @ 0.05V DC								
Channel 1	0.050000 V	0.049990 V	0.049870 V	0.050130 V	3.80 e-06 V	-0,000010 V	7.51%	Pass
Channel 2	0.050000 V	0.049993 V	0.049870 V	0.050130 V	3.80 e-06 V	-0,000007 V	5.41%	Pass
Channel 3	0.050000 V	0.050004 V	0.049870 V	0.050130 V	3.80 e-06 V	0,000004 V	3.36%	Pass
Channel 4	0.050000 V	0.050004 V	0.049870 V	0.050130 V	3.80 e-06 V	0,000004 V	3.31%	Pass
Channel 5	0.050000 V	0.049992 V	0.049870 V	0.050130 V	3.80 e-06 V	-0,000008 V	6.54%	Pass
Channel 6	0.050000 V	0.050002 V	0.049870 V	0.050130 V	3.80 e-06 V	0,000002 V	1.33%	Pass
Test @ 0.25V DC								
Channel 1	0.250000 V	0.250001 V	0.249830 V	0.250170 V	5.00 e-06 V	0,000001 V	0.588%	Pass
Channel 2	0.250000 V	0.250003 V	0.249830 V	0.250170 V	5.00 e-06 V	0,000003 V	1.76%	Pass
Channel 3	0.250000 V	0.250008 V	0.249830 V	0.250170 V	5.00 e-06 V	0,000008 V	4.71%	Pass
Channel 4	0.250000 V	0.250005 V	0.249830 V	0.250170 V	5.00 e-06 V	0,000005 V	3.14%	Pass
Channel 5	0.250000 V	0.249996 V	0.249830 V	0.250170 V	5.00 e-06 V	-0,000004 V	2.35%	Pass
Channel 6	0.250000 V	0.250009 V	0.249830 V	0.250170 V	5.00 e-06 V	0,000009 V	5.1%	Pass
Test @ 0.45V DC								
Channel 1	0.450000 V	0.450009 V	0.449790 V	0.450210 V	6.50 e-06 V	0,000009 V	4.44%	Pass
Channel 2	0.450000 V	0.450008 V	0.449790 V	0.450210 V	6.50 e-06 V	0,000008 V	3.65%	Pass
Channel 3	0.450000 V	0.450008 V	0.449790 V	0.450210 V	6.50 e-06 V	0,000008 V	3.97%	Pass
Channel 4	0.450000 V	0.450004 V	0.449790 V	0.450210 V	6.50 e-06 V	0,000004 V	1.75%	Pass
Channel 5	0.450000 V	0.449995 V	0.449790 V	0.450210 V	6.50 e-06 V	-0,000005 V	2.38%	Pass
Channel 6	0.450000 V	0.450008 V	0.449790 V	0.450210 V	6.50 e-06 V	0,000008 V	3.97%	Pass
Test @ -0.45V DC								
Channel 1	-0.450000 V	-0.450033 V	-0.450210 V	-0.449790 V	6.50 e-06 V	-0,000033 V	15.7%	Pass
Channel 2	-0.450000 V	-0.450029 V	-0.450210 V	-0.449790 V	6.50 e-06 V	-0,000029 V	14%	Pass
Channel 3	-0.450000 V	-0.450001 V	-0.450210 V	-0.449790 V	6.50 e-06 V	-0,000001 V	0.317%	Pass
Channel 4	-0.450000 V	-0.450001 V	-0.450210 V	-0.449790 V	6.50 e-06 V	-0,000001 V	0.635%	Pass
Channel 5	-0.450000 V	-0.450014 V	-0.450210 V	-0.449790 V	6.50 e-06 V	-0,000014 V	6.51%	Pass
Channel 6	-0.450000 V	-0.450009 V	-0.450210 V	-0.449790 V	6.50 e-06 V	-0,000009 V	4.13%	Pass
Test @ 0.35V_RMS @ 20Hz								
Channel 1	0.350000 V	0.350028 V	0.349810 V	0.350190 V	190.00 e-06 V	0,000028 V	14.6%	Pass
Channel 2	0.350000 V	0.350027 V	0.349810 V	0.350190 V	190.00 e-06 V	0,000027 V	14%	Pass
Channel 3	0.350000 V	0.350015 V	0.349810 V	0.350190 V	190.00 e-06 V	0,000015 V	7.89%	Pass
Channel 4	0.350000 V	0.350012 V	0.349810 V	0.350190 V	190.00 e-06 V	0,000012 V	6.49%	Pass
Channel 5	0.350000 V	0.350014 V	0.349810 V	0.350190 V	190.00 e-06 V	0,000014 V	7.19%	Pass
Channel 6	0.350000 V	0.350018 V	0.349810 V	0.350190 V	190.00 e-06 V	0,000018 V	9.3%	Pass
Test @ 0.35V RMS @ 50Hz								
Channel 1	0.350000 V	0.350028 V	0.349810 V	0.350190 V	140.00 e-06 V	0,000028 V	14.6%	Pass
Channel 2	0.350000 V	0.350028 V	0.349810 V	0.350190 V	140.00 e-06 V	0,000028 V	14.6%	Pass
Channel 3	0.350000 V	0.350016 V	0.349810 V	0.350190 V	140.00 e-06 V	0,000016 V	8.6%	Pass
Channel 4	0.350000 V	0.350013 V	0.349810 V	0.350190 V	140.00 e-06 V	0,000013 V	7.02%	Pass
Channel 5	0.350000 V	0.350015 V	0.349810 V	0.350190 V	140.00 e-06 V	0,000015 V	8.07%	Pass
Channel 6	0.350000 V	0.350020 V	0.349810 V	0.350190 V	140.00 e-06 V	0,000020 V	10.7%	Pass
Test @ 0.35V_RMS @ 1000Hz								
Channel 1	0.350000 V	0.350024 V	0.349810 V	0.350190 V	140.00 e-06 V	0,000024 V	12.5%	Pass
Channel 2	0.350000 V	0.350028 V	0.349810 V	0.350190 V	140.00 e-06 V	0,000028 V	14.7%	Pass
Channel 3	0.350000 V	0.350018 V	0.349810 V	0.350190 V	140.00 e-06 V	0,000018 V	9.3%	Pass
Channel 4	0.350000 V	0.350014 V	0.349810 V	0.350190 V	140.00 e-06 V	0,000014 V	7.54%	Pass
Channel 5	0.350000 V	0.350017 V	0.349810 V	0.350190 V	140.00 e-06 V	0,000017 V	8.77%	Pass
Channel 6	0.350000 V	0.350021 V	0.349810 V	0.350190 V	140.00 e-06 V	0,000021 V	11.2%	Pass
Range: 1V								
################################								
Test @ 0.1V DC								
Channel 1	0.100000 V	0.100018 V	0.099760 V	0.100240 V	4.20 e-06 V	0,000018 V	7.64%	Pass
Channel 2	0.100000 V	0.099994 V	0.099760 V	0.100240 V	4.20 e-06 V	-0,000006 V	2.46%	Pass
Channel 3	0.100000 V	0.099980 V	0.099760 V	0.100240 V	4.20 e-06 V	-0,000020 V	8.33%	Pass
Channel 4	0.100000 V	0.099988 V	0.099760 V	0.100240 V	4.20 e-06 V	-0,000012 V	4.85%	Pass
Channel 5	0.100000 V	0.099998 V	0.099760 V	0.100240 V	4.20 e-06 V	-0,000002 V	0.847%	Pass
Channel 6	0.100000 V	0.100009 V	0.099760 V	0.100240 V	4.20 e-06 V	0,000009 V	3.61%	Pass
Test @ -0.1V DC								

11. Testergebnisse / Test results

Test Description	True Value	Test Result	Lower limit	Upper limit	Exp Uncert	Error	% of Tol	Status
Channel 1	-0.100000 V	-0.099988 V	-0.100240 V	-0.099760 V	4.20 e-06 V	0,000012 V	5.21%	Pass
Channel 2	-0.100000 V	-0.100017 V	-0.100240 V	-0.099760 V	4.20 e-06 V	-0,000017 V	7.22%	Pass
Channel 3	-0.100000 V	-0.100025 V	-0.100240 V	-0.099760 V	4.20 e-06 V	-0,000025 V	10.6%	Pass
Channel 4	-0.100000 V	-0.100031 V	-0.100240 V	-0.099760 V	4.20 e-06 V	-0,000031 V	12.9%	Pass
Channel 5	-0.100000 V	-0.100013 V	-0.100240 V	-0.099760 V	4.20 e-06 V	-0,000013 V	5.56%	Pass
Channel 6	-0.100000 V	-0.099997 V	-0.100240 V	-0.099760 V	4.20 e-06 V	0,000003 V	1.11%	Pass
Test @ 0.3V DC								
Channel 1	0.300000 V	0.300024 V	0.299720 V	0.300280 V	5.40 e-06 V	0,000024 V	8.45%	Pass
Channel 2	0.300000 V	0.300006 V	0.299720 V	0.300280 V	5.40 e-06 V	0,000006 V	2.02%	Pass
Channel 3	0.300000 V	0.299984 V	0.299720 V	0.300280 V	5.40 e-06 V	-0,000016 V	5.83%	Pass
Channel 4	0.300000 V	0.300000 V	0.299720 V	0.300280 V	5.40 e-06 V	0,000000 V	0%	Pass
Channel 5	0.300000 V	0.300005 V	0.299720 V	0.300280 V	5.40 e-06 V	0,000005 V	1.67%	Pass
Channel 6	0.300000 V	0.300022 V	0.299720 V	0.300280 V	5.40 e-06 V	0,000022 V	7.86%	Pass
Test @ 0.5V DC								
Channel 1	0.500000 V	0.500028 V	0.499680 V	0.500320 V	6.90 e-06 V	0,000028 V	8.85%	Pass
Channel 2	0.500000 V	0.500017 V	0.499680 V	0.500320 V	6.90 e-06 V	0,000017 V	5.21%	Pass
Channel 3	0.500000 V	0.499990 V	0.499680 V	0.500320 V	6.90 e-06 V	-0,000010 V	3.02%	Pass
Channel 4	0.500000 V	0.500016 V	0.499680 V	0.500320 V	6.90 e-06 V	0,000016 V	5%	Pass
Channel 5	0.500000 V	0.500016 V	0.499680 V	0.500320 V	6.90 e-06 V	0,000016 V	5%	Pass
Channel 6	0.500000 V	0.500032 V	0.499680 V	0.500320 V	6.90 e-06 V	0,000032 V	10.1%	Pass
Test @ -0.5V DC								
Channel 1	-0.500000 V	-0.499998 V	-0.500320 V	-0.499680 V	6.90 e-06 V	0,000002 V	0.729%	Pass
Channel 2	-0.500000 V	-0.500038 V	-0.500320 V	-0.499680 V	6.90 e-06 V	-0,000038 V	11.9%	Pass
Channel 3	-0.500000 V	-0.500033 V	-0.500320 V	-0.499680 V	6.90 e-06 V	-0,000033 V	10.2%	Pass
Channel 4	-0.500000 V	-0.500058 V	-0.500320 V	-0.499680 V	6.90 e-06 V	-0,000058 V	18.1%	Pass
Channel 5	-0.500000 V	-0.500027 V	-0.500320 V	-0.499680 V	6.90 e-06 V	-0,000027 V	8.54%	Pass
Channel 6	-0.500000 V	-0.500015 V	-0.500320 V	-0.499680 V	6.90 e-06 V	-0,000015 V	4.79%	Pass
Test @ 0.7V DC								
Channel 1	0.700000 V	0.700035 V	0.699640 V	0.700360 V	8.40 e-06 V	0,000035 V	9.81%	Pass
Channel 2	0.700000 V	0.700031 V	0.699640 V	0.700360 V	8.40 e-06 V	0,000031 V	8.61%	Pass
Channel 3	0.700000 V	0.699993 V	0.699640 V	0.700360 V	8.40 e-06 V	-0,000007 V	1.94%	Pass
Channel 4	0.700000 V	0.700025 V	0.699640 V	0.700360 V	8.40 e-06 V	0,000025 V	7.04%	Pass
Channel 5	0.700000 V	0.700021 V	0.699640 V	0.700360 V	8.40 e-06 V	0,000021 V	5.74%	Pass
Channel 6	0.700000 V	0.700039 V	0.699640 V	0.700360 V	8.40 e-06 V	0,000039 V	10.7%	Pass
Test @ 0.9V DC								
Channel 1	0.900000 V	0.900040 V	0.899600 V	0.900400 V	9.90 e-06 V	0,000040 V	10%	Pass
Channel 2	0.900000 V	0.900033 V	0.899600 V	0.900400 V	9.90 e-06 V	0,000033 V	8.25%	Pass
Channel 3	0.900000 V	0.899991 V	0.899600 V	0.900400 V	9.90 e-06 V	-0,000009 V	2.17%	Pass
Channel 4	0.900000 V	0.900035 V	0.899600 V	0.900400 V	9.90 e-06 V	0,000035 V	8.75%	Pass
Channel 5	0.900000 V	0.900024 V	0.899600 V	0.900400 V	9.90 e-06 V	0,000024 V	6.08%	Pass
Channel 6	0.900000 V	0.900040 V	0.899600 V	0.900400 V	9.90 e-06 V	0,000040 V	10%	Pass
Test @ -0.9V DC								
Channel 1	-0.900000 V	-0.900010 V	-0.900400 V	-0.899600 V	9.90 e-06 V	-0,000010 V	2.42%	Pass
Channel 2	-0.900000 V	-0.900066 V	-0.900400 V	-0.899600 V	9.90 e-06 V	-0,000066 V	16.6%	Pass
Channel 3	-0.900000 V	-0.900037 V	-0.900400 V	-0.899600 V	9.90 e-06 V	-0,000037 V	9.25%	Pass
Channel 4	-0.900000 V	-0.900083 V	-0.900400 V	-0.899600 V	9.90 e-06 V	-0,000083 V	20.8%	Pass
Channel 5	-0.900000 V	-0.900042 V	-0.900400 V	-0.899600 V	9.90 e-06 V	-0,000042 V	10.6%	Pass
Channel 6	-0.900000 V	-0.900033 V	-0.900400 V	-0.899600 V	9.90 e-06 V	-0,000033 V	8.17%	Pass
Test @ 0.1V RMS @ 20Hz								
Channel 1	0.100000 V	0.099970 V	0.099760 V	0.100240 V	48.00 e-06 V	-0,000030 V	12.3%	Pass
Channel 2	0.100000 V	0.099974 V	0.099760 V	0.100240 V	48.00 e-06 V	-0,000026 V	10.8%	Pass
Channel 3	0.100000 V	0.099971 V	0.099760 V	0.100240 V	48.00 e-06 V	-0,000029 V	12.2%	Pass
Channel 4	0.100000 V	0.099977 V	0.099760 V	0.100240 V	48.00 e-06 V	-0,000023 V	9.71%	Pass
Channel 5	0.100000 V	0.099973 V	0.099760 V	0.100240 V	48.00 e-06 V	-0,000027 V	11.2%	Pass
Channel 6	0.100000 V	0.099973 V	0.099760 V	0.100240 V	48.00 e-06 V	-0,000027 V	11.4%	Pass
Test @ 0.1V_RMS @ 50Hz								
Channel 1	0.100000 V	0.099972 V	0.099760 V	0.100240 V	29.00 e-06 V	-0,000028 V	11.6%	Pass
Channel 2	0.100000 V	0.099976 V	0.099760 V	0.100240 V	29.00 e-06 V	-0,000024 V	10.2%	Pass
Channel 3	0.100000 V	0.099972 V	0.099760 V	0.100240 V	29.00 e-06 V	-0,000028 V	11.6%	Pass
Channel 4	0.100000 V	0.099978 V	0.099760 V	0.100240 V	29.00 e-06 V	-0,000022 V	9.24%	Pass
Channel 5	0.100000 V	0.099974 V	0.099760 V	0.100240 V	29.00 e-06 V	-0,000026 V	10.6%	Pass
Channel 6	0.100000 V	0.099974 V	0.099760 V	0.100240 V	29.00 e-06 V	-0,000026 V	10.9%	Pass
Test @ 0.1V_RMS @ 1000Hz								
Channel 1	0.100000 V	0.099964 V	0.099760 V	0.100240 V	29.00 e-06 V	-0,000036 V	14.8%	Pass
Channel 2	0.100000 V	0.099969 V	0.099760 V	0.100240 V	29.00 e-06 V	-0,000031 V	13%	Pass
Channel 3	0.100000 V	0.099965 V	0.099760 V	0.100240 V	29.00 e-06 V	-0,000035 V	14.5%	Pass
Channel 4	0.100000 V	0.099971 V	0.099760 V	0.100240 V	29.00 e-06 V	-0,000029 V	12.2%	Pass
Channel 5	0.100000 V	0.099967 V	0.099760 V	0.100240 V	29.00 e-06 V	-0,000033 V	13.6%	Pass
Channel 6	0.100000 V	0.099967 V	0.099760 V	0.100240 V	29.00 e-06 V	-0,000033 V	13.8%	Pass
Test @ 0.5V RMS @ 20Hz								

11. Testergebnisse / Test results

Test Description	True Value	Test Result	Lower limit	Upper limit	Exp Uncert	Error	% of Tol	Status
Channel 1	0.500000 V	0.500038 V	0.499680 V	0.500320 V	250.00 e-06 V	0,000038 V	11.8%	Pass
Channel 2	0.500000 V	0.500055 V	0.499680 V	0.500320 V	250.00 e-06 V	0,000055 V	17.2%	Pass
Channel 3	0.500000 V	0.500038 V	0.499680 V	0.500320 V	250.00 e-06 V	0,000038 V	12%	Pass
Channel 4	0.500000 V	0.500063 V	0.499680 V	0.500320 V	250.00 e-06 V	0,000063 V	19.6%	Pass
Channel 5	0.500000 V	0.500049 V	0.499680 V	0.500320 V	250.00 e-06 V	0,000049 V	15.2%	Pass
Channel 6	0.500000 V	0.500047 V	0.499680 V	0.500320 V	250.00 e-06 V	0,000047 V	14.8%	Pass
Test @ 0.5V_RMS @ 50Hz								
Channel 1	0.500000 V	0.500043 V	0.499680 V	0.500320 V	170.00 e-06 V	0,000043 V	13.4%	Pass
Channel 2	0.500000 V	0.500057 V	0.499680 V	0.500320 V	170.00 e-06 V	0,000057 V	17.9%	Pass
Channel 3	0.500000 V	0.500040 V	0.499680 V	0.500320 V	170.00 e-06 V	0,000040 V	12.4%	Pass
Channel 4	0.500000 V	0.500063 V	0.499680 V	0.500320 V	170.00 e-06 V	0,000063 V	19.6%	Pass
Channel 5	0.500000 V	0.500049 V	0.499680 V	0.500320 V	170.00 e-06 V	0,000049 V	15.4%	Pass
Channel 6	0.500000 V	0.500050 V	0.499680 V	0.500320 V	170.00 e-06 V	0,000050 V	15.5%	Pass
Test @ 0.5V RMS @ 1000Hz								
Channel 1	0.500000 V	0.500021 V	0.499680 V	0.500320 V	170.00 e-06 V	0,000021 V	6.46%	Pass
Channel 2	0.500000 V	0.500043 V	0.499680 V	0.500320 V	170.00 e-06 V	0,000043 V	13.4%	Pass
Channel 3	0.500000 V	0.500025 V	0.499680 V	0.500320 V	170.00 e-06 V	0,000025 V	7.92%	Pass
Channel 4	0.500000 V	0.500051 V	0.499680 V	0.500320 V	170.00 e-06 V	0,000051 V	15.8%	Pass
Channel 5	0.500000 V	0.500038 V	0.499680 V	0.500320 V	170.00 e-06 V	0,000038 V	12%	Pass
Channel 6	0.500000 V	0.500038 V	0.499680 V	0.500320 V	170.00 e-06 V	0,000038 V	11.9%	Pass
Test @ 0.7V_RMS @ 20Hz								
Channel 1	0.700000 V	0.700035 V	0.699640 V	0.700360 V	320.00 e-06 V	0,000035 V	9.81%	Pass
Channel 2	0.700000 V	0.700059 V	0.699640 V	0.700360 V	320.00 e-06 V	0,000059 V	16.4%	Pass
Channel 3	0.700000 V	0.700032 V	0.699640 V	0.700360 V	320.00 e-06 V	0,000032 V	8.89%	Pass
Channel 4	0.700000 V	0.700064 V	0.699640 V	0.700360 V	320.00 e-06 V	0,000064 V	17.7%	Pass
Channel 5	0.700000 V	0.700046 V	0.699640 V	0.700360 V	320.00 e-06 V	0,000046 V	12.7%	Pass
Channel 6	0.700000 V	0.700047 V	0.699640 V	0.700360 V	320.00 e-06 V	0,000047 V	13.1%	Pass
Test @ 0.7V RMS @ 50Hz								
Channel 1	0.700000 V	0.700040 V	0.699640 V	0.700360 V	200.00 e-06 V	0,000040 V	11.1%	Pass
Channel 2	0.700000 V	0.700062 V	0.699640 V	0.700360 V	200.00 e-06 V	0,000062 V	17.3%	Pass
Channel 3	0.700000 V	0.700037 V	0.699640 V	0.700360 V	200.00 e-06 V	0,000037 V	10.3%	Pass
Channel 4	0.700000 V	0.700068 V	0.699640 V	0.700360 V	200.00 e-06 V	0,000068 V	19%	Pass
Channel 5	0.700000 V	0.700052 V	0.699640 V	0.700360 V	200.00 e-06 V	0,000052 V	14.4%	Pass
Channel 6	0.700000 V	0.700056 V	0.699640 V	0.700360 V	200.00 e-06 V	0,000056 V	15.6%	Pass
Test @ 0.7V_RMS @ 1000Hz								
Channel 1	0.700000 V	0.700023 V	0.699640 V	0.700360 V	200.00 e-06 V	0,000023 V	6.39%	Pass
Channel 2	0.700000 V	0.700054 V	0.699640 V	0.700360 V	200.00 e-06 V	0,000054 V	15.1%	Pass
Channel 3	0.700000 V	0.700027 V	0.699640 V	0.700360 V	200.00 e-06 V	0,000027 V	7.41%	Pass
Channel 4	0.700000 V	0.700058 V	0.699640 V	0.700360 V	200.00 e-06 V	0,000058 V	16.1%	Pass
Channel 5	0.700000 V	0.700041 V	0.699640 V	0.700360 V	200.00 e-06 V	0,000041 V	11.5%	Pass
Channel 6	0.700000 V	0.700043 V	0.699640 V	0.700360 V	200.00 e-06 V	0,000043 V	11.9%	Pass
Test @ 0.7V_RMS @ 10000Hz								
Channel 1	0.700000 V	0.699846 V	0.696280 V	0.703720 V	200.00 e-06 V	-0,000154 V	4.14%	Pass
Channel 2	0.700000 V	0.699880 V	0.696280 V	0.703720 V	200.00 e-06 V	-0,000120 V	3.23%	Pass
Channel 3	0.700000 V	0.699846 V	0.696280 V	0.703720 V	200.00 e-06 V	-0,000154 V	4.14%	Pass
Channel 4	0.700000 V	0.699881 V	0.696280 V	0.703720 V	200.00 e-06 V	-0,000119 V	3.21%	Pass
Channel 5	0.700000 V	0.699862 V	0.696280 V	0.703720 V	200.00 e-06 V	-0,000138 V	3.7%	Pass
Channel 6	0.700000 V	0.699856 V	0.696280 V	0.703720 V	200.00 e-06 V	-0,000144 V	3.86%	Pass
Test @ 0.7V RMS @ 20000Hz								
Channel 1	0.700000 V	0.699302 V	0.692780 V	0.707220 V	240.00 e-06 V	-0,000698 V	9.66%	Pass
Channel 2	0.700000 V	0.699358 V	0.692780 V	0.707220 V	240.00 e-06 V	-0,000642 V	8.89%	Pass
Channel 3	0.700000 V	0.699304 V	0.692780 V	0.707220 V	240.00 e-06 V	-0,000696 V	9.64%	Pass
Channel 4	0.700000 V	0.699338 V	0.692780 V	0.707220 V	240.00 e-06 V	-0,000662 V	9.16%	Pass
Channel 5	0.700000 V	0.699314 V	0.692780 V	0.707220 V	240.00 e-06 V	-0,000686 V	9.5%	Pass
Channel 6	0.700000 V	0.699279 V	0.692780 V	0.707220 V	240.00 e-06 V	-0,000721 V	9.98%	Pass
Range: 2V								
################################								
Test @ 0.2V DC								
Channel 1	0.200000 V	0.200050 V	0.199540 V	0.200460 V	4.70 e-06 V	0,000050 V	10.9%	Pass
Channel 2	0.200000 V	0.200006 V	0.199540 V	0.200460 V	4.70 e-06 V	0,000006 V	1.3%	Pass
Channel 3	0.200000 V	0.199990 V	0.199540 V	0.200460 V	4.70 e-06 V	-0,000010 V	2.25%	Pass
Channel 4	0.200000 V	0.199989 V	0.199540 V	0.200460 V	4.70 e-06 V	-0,000011 V	2.39%	Pass
Channel 5	0.200000 V	0.200004 V	0.199540 V	0.200460 V	4.70 e-06 V	0,000004 V	0.942%	Pass
Channel 6	0.200000 V	0.200004 V	0.199540 V	0.200460 V	4.70 e-06 V	0,000004 V	0.797%	Pass
Test @ 1V DC								
Channel 1	1.000000 V	1.000067 V	0.999380 V	1.000620 V	11.00 e-06 V	0,000067 V	10.8%	Pass
Channel 2	1.000000 V	1.000040 V	0.999380 V	1.000620 V	11.00 e-06 V	0,000040 V	6.45%	Pass
Channel 3	1.000000 V	1.000000 V	0.999380 V	1.000620 V	11.00 e-06 V	0,000000 V	0%	Pass
Channel 4	1.000000 V	1.000020 V	0.999380 V	1.000620 V	11.00 e-06 V	0,000020 V	3.23%	Pass

11. Testergebnisse / Test results

Test Description	True Value	Test Result	Lower limit	Upper limit	Exp Uncert	Error	% of Tol	Status
Channel 5	1.000000 V	1.000017 V	0.999380 V	1.000620 V	11.00 e-06 V	0,000017 V	2.69%	Pass
Channel 6	1.000000 V	1.000040 V	0.999380 V	1.000620 V	11.00 e-06 V	0,000040 V	6.45%	Pass
Test @ 1.8V DC								
Channel 1	1.800000 V	1.800077 V	1.799220 V	1.800780 V	19.00 e-06 V	0,000077 V	9.83%	Pass
Channel 2	1.800000 V	1.800053 V	1.799220 V	1.800780 V	19.00 e-06 V	0,000053 V	6.84%	Pass
Channel 3	1.800000 V	1.799990 V	1.799220 V	1.800780 V	19.00 e-06 V	-0,000010 V	1.28%	Pass
Channel 4	1.800000 V	1.800017 V	1.799220 V	1.800780 V	19.00 e-06 V	0,000017 V	2.14%	Pass
Channel 5	1.800000 V	1.800000 V	1.799220 V	1.800780 V	19.00 e-06 V	0,000000 V	0%	Pass
Channel 6	1.800000 V	1.800050 V	1.799220 V	1.800780 V	19.00 e-06 V	0,000050 V	6.41%	Pass
Test @ -1.8V DC								
Channel 1	-1.800000 V	-1.799970 V	-1.800780 V	-1.799220 V	19.00 e-06 V	0,000030 V	3.85%	Pass
Channel 2	-1.800000 V	-1.800090 V	-1.800780 V	-1.799220 V	19.00 e-06 V	-0,000090 V	11.5%	Pass
Channel 3	-1.800000 V	-1.799987 V	-1.800780 V	-1.799220 V	19.00 e-06 V	0,000013 V	1.71%	Pass
Channel 4	-1.800000 V	-1.800037 V	-1.800780 V	-1.799220 V	19.00 e-06 V	-0,000037 V	4.7%	Pass
Channel 5	-1.800000 V	-1.800040 V	-1.800780 V	-1.799220 V	19.00 e-06 V	-0,000040 V	5.13%	Pass
Channel 6	-1.800000 V	-1.800063 V	-1.800780 V	-1.799220 V	19.00 e-06 V	-0,000063 V	8.12%	Pass
Test @ 1.4V_RMS @ 20Hz								
Channel 1	1.400000 V	1.400010 V	1.399300 V	1.400700 V	580.00 e-06 V	0,000010 V	1.43%	Pass
Channel 2	1.400000 V	1.400050 V	1.399300 V	1.400700 V	580.00 e-06 V	0,000050 V	7.14%	Pass
Channel 3	1.400000 V	1.399990 V	1.399300 V	1.400700 V	580.00 e-06 V	-0,000010 V	1.43%	Pass
Channel 4	1.400000 V	1.400020 V	1.399300 V	1.400700 V	580.00 e-06 V	0,000020 V	2.86%	Pass
Channel 5	1.400000 V	1.400010 V	1.399300 V	1.400700 V	580.00 e-06 V	0,000010 V	1.43%	Pass
Channel 6	1.400000 V	1.400040 V	1.399300 V	1.400700 V	580.00 e-06 V	0,000040 V	5.71%	Pass
Test @ 1.4V_RMS @ 50Hz								
Channel 1	1.400000 V	1.400037 V	1.399300 V	1.400700 V	400.00 e-06 V	0,000037 V	5.24%	Pass
Channel 2	1.400000 V	1.400080 V	1.399300 V	1.400700 V	400.00 e-06 V	0,000080 V	11.4%	Pass
Channel 3	1.400000 V	1.400010 V	1.399300 V	1.400700 V	400.00 e-06 V	0,000010 V	1.43%	Pass
Channel 4	1.400000 V	1.400040 V	1.399300 V	1.400700 V	400.00 e-06 V	0,000040 V	5.71%	Pass
Channel 5	1.400000 V	1.400040 V	1.399300 V	1.400700 V	400.00 e-06 V	0,000040 V	5.71%	Pass
Channel 6	1.400000 V	1.400070 V	1.399300 V	1.400700 V	400.00 e-06 V	0,000070 V	10%	Pass
Test @ 1.4V RMS @ 1000Hz								
Channel 1	1.400000 V	1.399990 V	1.399300 V	1.400700 V	500.00 e-06 V	-0,000010 V	1.43%	Pass
Channel 2	1.400000 V	1.400057 V	1.399300 V	1.400700 V	500.00 e-06 V	0,000057 V	8.1%	Pass
Channel 3	1.400000 V	1.399980 V	1.399300 V	1.400700 V	500.00 e-06 V	-0,000020 V	2.86%	Pass
Channel 4	1.400000 V	1.400010 V	1.399300 V	1.400700 V	500.00 e-06 V	0,000010 V	1.43%	Pass
Channel 5	1.400000 V	1.400010 V	1.399300 V	1.400700 V	500.00 e-06 V	0,000010 V	1.43%	Pass
Channel 6	1.400000 V	1.400040 V	1.399300 V	1.400700 V	500.00 e-06 V	0,000040 V	5.71%	Pass
Range: 5V								
################################								
Test @ 0.5V DC								
Channel 1	0.500000 V	0.500006 V	0.498880 V	0.501120 V	6.90 e-06 V	0,000006 V	0.565%	Pass
Channel 2	0.500000 V	0.499861 V	0.498880 V	0.501120 V	6.90 e-06 V	-0,000139 V	12.4%	Pass
Channel 3	0.500000 V	0.499815 V	0.498880 V	0.501120 V	6.90 e-06 V	-0,000185 V	16.5%	Pass
Channel 4	0.500000 V	0.500039 V	0.498880 V	0.501120 V	6.90 e-06 V	0,000039 V	3.45%	Pass
Channel 5	0.500000 V	0.500007 V	0.498880 V	0.501120 V	6.90 e-06 V	0,000007 V	0.625%	Pass
Channel 6	0.500000 V	0.500090 V	0.498880 V	0.501120 V	6.90 e-06 V	0,000090 V	8.01%	Pass
Test @ 2.5V DC								
Channel 1	2.500000 V	2.500147 V	2.498480 V	2.501520 V	25.00 e-06 V	0,000147 V	9.65%	Pass
Channel 2	2.500000 V	2.499887 V	2.498480 V	2.501520 V	25.00 e-06 V	-0,000113 V	7.46%	Pass
Channel 3	2.500000 V	2.499937 V	2.498480 V	2.501520 V	25.00 e-06 V	-0,000063 V	4.17%	Pass
Channel 4	2.500000 V	2.500147 V	2.498480 V	2.501520 V	25.00 e-06 V	0,000147 V	9.65%	Pass
Channel 5	2.500000 V	2.500120 V	2.498480 V	2.501520 V	25.00 e-06 V	0,000120 V	7.89%	Pass
Channel 6	2.500000 V	2.500157 V	2.498480 V	2.501520 V	25.00 e-06 V	0,000157 V	10.3%	Pass
Test @ 4.5V DC								
Channel 1	4.500000 V	4.500193 V	4.498080 V	4.501920 V	42.00 e-06 V	0,000193 V	10.1%	Pass
Channel 2	4.500000 V	4.499790 V	4.498080 V	4.501920 V	42.00 e-06 V	-0,000210 V	10.9%	Pass
Channel 3	4.500000 V	4.499940 V	4.498080 V	4.501920 V	42.00 e-06 V	-0,000060 V	3.13%	Pass
Channel 4	4.500000 V	4.500100 V	4.498080 V	4.501920 V	42.00 e-06 V	0,000100 V	5.21%	Pass
Channel 5	4.500000 V	4.500097 V	4.498080 V	4.501920 V	42.00 e-06 V	0,000097 V	5.03%	Pass
Channel 6	4.500000 V	4.500077 V	4.498080 V	4.501920 V	42.00 e-06 V	0,000077 V	3.99%	Pass
Test @ -4.5V DC								
Channel 1	-4.500000 V	-4.500150 V	-4.501920 V	-4.498080 V	42.00 e-06 V	-0,000150 V	7.81%	Pass
Channel 2	-4.500000 V	-4.500037 V	-4.501920 V	-4.498080 V	42.00 e-06 V	-0,000037 V	1.91%	Pass
Channel 3	-4.500000 V	-4.500273 V	-4.501920 V	-4.498080 V	42.00 e-06 V	-0,000273 V	14.2%	Pass
Channel 4	-4.500000 V	-4.500173 V	-4.501920 V	-4.498080 V	42.00 e-06 V	-0,000173 V	9.03%	Pass
Channel 5	-4.500000 V	-4.500067 V	-4.501920 V	-4.498080 V	42.00 e-06 V	-0,000067 V	3.47%	Pass
Channel 6	-4.500000 V	-4.499873 V	-4.501920 V	-4.498080 V	42.00 e-06 V	0,000127 V	6.6%	Pass
Test @ 3.5V RMS @ 20Hz								

11. Testergebnisse / Test results

Test Description	True Value	Test Result	Lower limit	Upper limit	Exp Uncert	Error	% of Tol	Status
Channel 1	3.500000 V	3.500303 V	3.498280 V	3.501720 V	2.50 e-03 V	0,000303 V	17.6%	Pass
Channel 2	3.500000 V	3.500130 V	3.498280 V	3.501720 V	2.50 e-03 V	0,000130 V	7.56%	Pass
Channel 3	3.500000 V	3.500263 V	3.498280 V	3.501720 V	2.50 e-03 V	0,000263 V	15.3%	Pass
Channel 4	3.500000 V	3.500317 V	3.498280 V	3.501720 V	2.50 e-03 V	0,000317 V	18.4%	Pass
Channel 5	3.500000 V	3.500270 V	3.498280 V	3.501720 V	2.50 e-03 V	0,000270 V	15.7%	Pass
Channel 6	3.500000 V	3.500197 V	3.498280 V	3.501720 V	2.50 e-03 V	0,000197 V	11.4%	Pass
Test @ 3.5V_RMS @ 50Hz								
Channel 1	3.500000 V	3.500383 V	3.498280 V	3.501720 V	1.40 e-03 V	0,000383 V	22.3%	Pass
Channel 2	3.500000 V	3.500193 V	3.498280 V	3.501720 V	1.40 e-03 V	0,000193 V	11.2%	Pass
Channel 3	3.500000 V	3.500317 V	3.498280 V	3.501720 V	1.40 e-03 V	0,000317 V	18.4%	Pass
Channel 4	3.500000 V	3.500343 V	3.498280 V	3.501720 V	1.40 e-03 V	0,000343 V	20%	Pass
Channel 5	3.500000 V	3.500310 V	3.498280 V	3.501720 V	1.40 e-03 V	0,000310 V	18%	Pass
Channel 6	3.500000 V	3.500240 V	3.498280 V	3.501720 V	1.40 e-03 V	0,000240 V	14%	Pass
Test @ 3.5V RMS @ 1000Hz								
Channel 1	3.500000 V	3.499997 V	3.498280 V	3.501720 V	1.40 e-03 V	-0,000003 V	0.194%	Pass
Channel 2	3.500000 V	3.499857 V	3.498280 V	3.501720 V	1.40 e-03 V	-0,000143 V	8.33%	Pass
Channel 3	3.500000 V	3.499980 V	3.498280 V	3.501720 V	1.40 e-03 V	-0,000020 V	1.16%	Pass
Channel 4	3.500000 V	3.500030 V	3.498280 V	3.501720 V	1.40 e-03 V	0,000030 V	1.74%	Pass
Channel 5	3.500000 V	3.499987 V	3.498280 V	3.501720 V	1.40 e-03 V	-0,000013 V	0.775%	Pass
Channel 6	3.500000 V	3.499900 V	3.498280 V	3.501720 V	1.40 e-03 V	-0,000100 V	5.81%	Pass
Range: 10V								
##############################								
Test @ 1V DC								
Channel 1	1.000000 V	1.000210 V	0.997780 V	1.002220 V	11.00 e-06 V	0,000210 V	9.46%	Pass
Channel 2	1.000000 V	0.999811 V	0.997780 V	1.002220 V	11.00 e-06 V	-0,000189 V	8.5%	Pass
Channel 3	1.000000 V	0.999996 V	0.997780 V	1.002220 V	11.00 e-06 V	-0,000004 V	0.18%	Pass
Channel 4	1.000000 V	1.000230 V	0.997780 V	1.002220 V	11.00 e-06 V	0,000230 V	10.4%	Pass
Channel 5	1.000000 V	0.999817 V	0.997780 V	1.002220 V	11.00 e-06 V	-0,000183 V	8.26%	Pass
Channel 6	1.000000 V	0.999953 V	0.997780 V	1.002220 V	11.00 e-06 V	-0,000047 V	2.13%	Pass
Test @ 5V DC								
Channel 1	5.000000 V	5.000273 V	4.996980 V	5.003020 V	46.00 e-06 V	0,000273 V	9.05%	Pass
Channel 2	5.000000 V	4.999967 V	4.996980 V	5.003020 V	46.00 e-06 V	-0,000033 V	1.1%	Pass
Channel 3	5.000000 V	5.000003 V	4.996980 V	5.003020 V	46.00 e-06 V	0,000003 V	0.11%	Pass
Channel 4	5.000000 V	5.000280 V	4.996980 V	5.003020 V	46.00 e-06 V	0,000280 V	9.27%	Pass
Channel 5	5.000000 V	5.000107 V	4.996980 V	5.003020 V	46.00 e-06 V	0,000107 V	3.53%	Pass
Channel 6	5.000000 V	5.000180 V	4.996980 V	5.003020 V	46.00 e-06 V	0,000180 V	5.96%	Pass
Test @ 9V DC								
Channel 1	9.000000 V	9.000313 V	8.996180 V	9.003820 V	79.00 e-06 V	0,000313 V	8.2%	Pass
Channel 2	9.000000 V	8.999923 V	8.996180 V	9.003820 V	79.00 e-06 V	-0,000077 V	2.01%	Pass
Channel 3	9.000000 V	8.999860 V	8.996180 V	9.003820 V	79.00 e-06 V	-0,000140 V	3.66%	Pass
Channel 4	9.000000 V	9.000220 V	8.996180 V	9.003820 V	79.00 e-06 V	0,000220 V	5.76%	Pass
Channel 5	9.000000 V	9.000223 V	8.996180 V	9.003820 V	79.00 e-06 V	0,000223 V	5.85%	Pass
Channel 6	9.000000 V	9.000197 V	8.996180 V	9.003820 V	79.00 e-06 V	0,000197 V	5.15%	Pass
Test @ -9V DC								
Channel 1	-9.000000 V	-8.999840 V	-9.003820 V	-8.996180 V	79.00 e-06 V	0,000160 V	4.19%	Pass
Channel 2	-9.000000 V	-9.000370 V	-9.003820 V	-8.996180 V	79.00 e-06 V	-0,000370 V	9.69%	Pass
Channel 3	-9.000000 V	-8.999893 V	-9.003820 V	-8.996180 V	79.00 e-06 V	0,000107 V	2.79%	Pass
Channel 4	-9.000000 V	-9.000017 V	-9.003820 V	-8.996180 V	79.00 e-06 V	-0,000017 V	0.436%	Pass
Channel 5	-9.000000 V	-9.000627 V	-9.003820 V	-8.996180 V	79.00 e-06 V	-0,000627 V	16.4%	Pass
Channel 6	-9.000000 V	-9.000330 V	-9.003820 V	-8.996180 V	79.00 e-06 V	-0,000330 V	8.64%	Pass
Test @ 7V_RMS @ 20Hz								
Channel 1	7.000000 V	7.000017 V	6.996580 V	7.003420 V	4.10 e-03 V	0,000017 V	0.487%	Pass
Channel 2	7.000000 V	7.000103 V	6.996580 V	7.003420 V	4.10 e-03 V	0,000103 V	3.02%	Pass
Channel 3	7.000000 V	6.999863 V	6.996580 V	7.003420 V	4.10 e-03 V	-0,000137 V	4%	Pass
Channel 4	7.000000 V	7.000053 V	6.996580 V	7.003420 V	4.10 e-03 V	0,000053 V	1.56%	Pass
Channel 5	7.000000 V	7.000283 V	6.996580 V	7.003420 V	4.10 e-03 V	0,000283 V	8.28%	Pass
Channel 6	7.000000 V	7.000177 V	6.996580 V	7.003420 V	4.10 e-03 V	0,000177 V	5.17%	Pass
Test @ 7V_RMS @ 50Hz								
Channel 1	7.000000 V	7.000070 V	6.996580 V	7.003420 V	2.10 e-03 V	0,000070 V	2.05%	Pass
Channel 2	7.000000 V	7.000160 V	6.996580 V	7.003420 V	2.10 e-03 V	0,000160 V	4.68%	Pass
Channel 3	7.000000 V	6.999960 V	6.996580 V	7.003420 V	2.10 e-03 V	-0,000040 V	1.17%	Pass
Channel 4	7.000000 V	7.000173 V	6.996580 V	7.003420 V	2.10 e-03 V	0,000173 V	5.07%	Pass
Channel 5	7.000000 V	7.000413 V	6.996580 V	7.003420 V	2.10 e-03 V	0,000413 V	12.1%	Pass
Channel 6	7.000000 V	7.000293 V	6.996580 V	7.003420 V	2.10 e-03 V	0,000293 V	8.58%	Pass
Test @ 7V RMS @ 1000Hz								
Channel 1	7.000000 V	6.999557 V	6.996580 V	7.003420 V	2.10 e-03 V	-0,000443 V	13%	Pass
Channel 2	7.000000 V	6.999733 V	6.996580 V	7.003420 V	2.10 e-03 V	-0,000267 V	7.8%	Pass
Channel 3	7.000000 V	6.999493 V	6.996580 V	7.003420 V	2.10 e-03 V	-0,000507 V	14.8%	Pass
Channel 4	7.000000 V	6.999690 V	6.996580 V	7.003420 V	2.10 e-03 V	-0,000310 V	9.06%	Pass

11. Testergebnisse / Test results

Test Description	True Value	Test Result	Lower limit	Upper limit	Exp Uncert	Error	% of Tol	Status
Channel 5	7.000000 V	6.999937 V	6.996580 V	7.003420 V	2.10 e-03 V	-0,000063 V	1.85%	Pass
Channel 6	7.000000 V	6.999813 V	6.996580 V	7.003420 V	2.10 e-03 V	-0,000187 V	5.46%	Pass
Range: 25V								
##############################								
Test @ 2.5V DC								
Channel 1	2.500000 V	2.499677 V	2.494480 V	2.505520 V	25.00 e-06 V	-0,000323 V	5.86%	Pass
Channel 2	2.500000 V	2.499420 V	2.494480 V	2.505520 V	25.00 e-06 V	-0,000580 V	10.5%	Pass
Channel 3	2.500000 V	2.499887 V	2.494480 V	2.505520 V	25.00 e-06 V	-0,000113 V	2.05%	Pass
Channel 4	2.500000 V	2.499190 V	2.494480 V	2.505520 V	25.00 e-06 V	-0,000810 V	14.7%	Pass
Channel 5	2.500000 V	2.499787 V	2.494480 V	2.505520 V	25.00 e-06 V	-0,000213 V	3.86%	Pass
Channel 6	2.500000 V	2.500533 V	2.494480 V	2.505520 V	25.00 e-06 V	0,000533 V	9.66%	Pass
Test @ 12.5V DC								
Channel 1	12.500000 V	12.500400 V	12.492480 V	12.507520 V	180.00 e-06 V	0,000400 V	5.32%	Pass
Channel 2	12.500000 V	12.499867 V	12.492480 V	12.507520 V	180.00 e-06 V	-0,000133 V	1.77%	Pass
Channel 3	12.500000 V	12.500067 V	12.492480 V	12.507520 V	180.00 e-06 V	0,000067 V	0.887%	Pass
Channel 4	12.500000 V	12.499767 V	12.492480 V	12.507520 V	180.00 e-06 V	-0,000233 V	3.1%	Pass
Channel 5	12.500000 V	12.500100 V	12.492480 V	12.507520 V	180.00 e-06 V	0,000100 V	1.33%	Pass
Channel 6	12.500000 V	12.501000 V	12.492480 V	12.507520 V	180.00 e-06 V	0,001000 V	13.3%	Pass
Test @ 22.5V DC								
Channel 1	22.500000 V	22.501000 V	22.490480 V	22.509520 V	290.00 e-06 V	0,001000 V	10.5%	Pass
Channel 2	22.500000 V	22.499800 V	22.490480 V	22.509520 V	290.00 e-06 V	-0,000200 V	2.1%	Pass
Channel 3	22.500000 V	22.500100 V	22.490480 V	22.509520 V	290.00 e-06 V	0,000100 V	1.05%	Pass
Channel 4	22.500000 V	22.500100 V	22.490480 V	22.509520 V	290.00 e-06 V	0,000100 V	1.05%	Pass
Channel 5	22.500000 V	22.500167 V	22.490480 V	22.509520 V	290.00 e-06 V	0,000167 V	1.75%	Pass
Channel 6	22.500000 V	22.501033 V	22.490480 V	22.509520 V	290.00 e-06 V	0,001033 V	10.9%	Pass
Test @ -22.5V DC								
Channel 1	-22.500000 V	-22.502100 V	-22.509520 V	-22.490480 V	290.00 e-06 V	-0,002100 V	22.1%	Pass
Channel 2	-22.500000 V	-22.501000 V	-22.509520 V	-22.490480 V	290.00 e-06 V	-0,001000 V	10.5%	Pass
Channel 3	-22.500000 V	-22.500500 V	-22.509520 V	-22.490480 V	290.00 e-06 V	-0,000500 V	5.25%	Pass
Channel 4	-22.500000 V	-22.502167 V	-22.509520 V	-22.490480 V	290.00 e-06 V	-0,002167 V	22.8%	Pass
Channel 5	-22.500000 V	-22.500800 V	-22.509520 V	-22.490480 V	290.00 e-06 V	-0,000800 V	8.4%	Pass
Channel 6	-22.500000 V	-22.500133 V	-22.509520 V	-22.490480 V	290.00 e-06 V	-0,000133 V	1.4%	Pass
Test @ 17.5V_RMS @ 20Hz								
Channel 1	17.500000 V	17.501400 V	17.491480 V	17.508520 V	8.70 e-03 V	0,001400 V	16.4%	Pass
Channel 2	17.500000 V	17.500533 V	17.491480 V	17.508520 V	8.70 e-03 V	0,000533 V	6.26%	Pass
Channel 3	17.500000 V	17.500400 V	17.491480 V	17.508520 V	8.70 e-03 V	0,000400 V	4.69%	Pass
Channel 4	17.500000 V	17.501000 V	17.491480 V	17.508520 V	8.70 e-03 V	0,001000 V	11.7%	Pass
Channel 5	17.500000 V	17.500500 V	17.491480 V	17.508520 V	8.70 e-03 V	0,000500 V	5.87%	Pass
Channel 6	17.500000 V	17.500667 V	17.491480 V	17.508520 V	8.70 e-03 V	0,000667 V	7.82%	Pass
Test @ 17.5V_RMS @ 50Hz								
Channel 1	17.500000 V	17.501400 V	17.491480 V	17.508520 V	4.00 e-03 V	0,001400 V	16.4%	Pass
Channel 2	17.500000 V	17.500600 V	17.491480 V	17.508520 V	4.00 e-03 V	0,000600 V	7.04%	Pass
Channel 3	17.500000 V	17.500400 V	17.491480 V	17.508520 V	4.00 e-03 V	0,000400 V	4.69%	Pass
Channel 4	17.500000 V	17.501100 V	17.491480 V	17.508520 V	4.00 e-03 V	0,001100 V	12.9%	Pass
Channel 5	17.500000 V	17.500600 V	17.491480 V	17.508520 V	4.00 e-03 V	0,000600 V	7.04%	Pass
Channel 6	17.500000 V	17.500700 V	17.491480 V	17.508520 V	4.00 e-03 V	0,000700 V	8.22%	Pass
Test @ 17.5V RMS @ 1000Hz								
Channel 1	17.500000 V	17.500000 V	17.491480 V	17.508520 V	4.00 e-03 V	0,000000 V	0%	Pass
Channel 2	17.500000 V	17.499200 V	17.491480 V	17.508520 V	4.00 e-03 V	-0,000800 V	9.39%	Pass
Channel 3	17.500000 V	17.499100 V	17.491480 V	17.508520 V	4.00 e-03 V	-0,000900 V	10.6%	Pass
Channel 4	17.500000 V	17.499800 V	17.491480 V	17.508520 V	4.00 e-03 V	-0,000200 V	2.35%	Pass
Channel 5	17.500000 V	17.499200 V	17.491480 V	17.508520 V	4.00 e-03 V	-0,000800 V	9.39%	Pass
Channel 6	17.500000 V	17.499367 V	17.491480 V	17.508520 V	4.00 e-03 V	-0,000633 V	7.43%	Pass
Range: 50V								
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Test @ 5V DC								
Channel 1	5.000000 V	4.999690 V	4.988980 V	5.011020 V	46.00 e-06 V	-0,000310 V	2.81%	Pass
Channel 2	5.000000 V	4.999567 V	4.988980 V	5.011020 V	46.00 e-06 V	-0,000433 V	3.93%	Pass
Channel 3	5.000000 V	4.999913 V	4.988980 V	5.011020 V	46.00 e-06 V	-0,000087 V	0.786%	Pass
Channel 4	5.000000 V	4.999387 V	4.988980 V	5.011020 V	46.00 e-06 V	-0,000613 V	5.57%	Pass
Channel 5	5.000000 V	4.999857 V	4.988980 V	5.011020 V	46.00 e-06 V	-0,000143 V	1.3%	Pass
Channel 6	5.000000 V	5.000497 V	4.988980 V	5.011020 V	46.00 e-06 V	0,000497 V	4.51%	Pass
Test @ 25V DC								
Channel 1	25.000000 V	25.001000 V	24.984980 V	25.015020 V	320.00 e-06 V	0,001000 V	6.66%	Pass
Channel 2	25.000000 V	24.999900 V	24.984980 V	25.015020 V	320.00 e-06 V	-0,000100 V	0.666%	Pass
Channel 3	25.000000 V	25.000100 V	24.984980 V	25.015020 V	320.00 e-06 V	0,000100 V	0.666%	Pass
Channel 4	25.000000 V	25.000300 V	24.984980 V	25.015020 V	320.00 e-06 V	0,000300 V	2%	Pass

11. Testergebnisse / Test results

Test Description	True Value	Test Result	Lower limit	Upper limit	Exp Uncert	Error	% of Tol	Status
Channel 5	25.000000 V	25.000200 V	24.984980 V	25.015020 V	320.00 e-06 V	0,000200 V	1.33%	Pass
Channel 6	25.000000 V	25.001100 V	24.984980 V	25.015020 V	320.00 e-06 V	0,001100 V	7.32%	Pass
Test @ 45V DC								
Channel 1	45.000000 V	45.002167 V	44.980980 V	45.019020 V	540.00 e-06 V	0,002167 V	11.4%	Pass
Channel 2	45.000000 V	44.999733 V	44.980980 V	45.019020 V	540.00 e-06 V	-0,000267 V	1.4%	Pass
Channel 3	45.000000 V	44.999733 V	44.980980 V	45.019020 V	540.00 e-06 V	-0,000267 V	1.4%	Pass
Channel 4	45.000000 V	45.000600 V	44.980980 V	45.019020 V	540.00 e-06 V	0,000600 V	3.15%	Pass
Channel 5	45.000000 V	44.999967 V	44.980980 V	45.019020 V	540.00 e-06 V	-0,000033 V	0.175%	Pass
Channel 6	45.000000 V	45.000967 V	44.980980 V	45.019020 V	540.00 e-06 V	0,000967 V	5.08%	Pass
Test @ -45V DC								
Channel 1	-45.000000 V	-45.001733 V	-45.019020 V	-44.980980 V	540.00 e-06 V	-0,001733 V	9.11%	Pass
Channel 2	-45.000000 V	-45.000233 V	-45.019020 V	-44.980980 V	540.00 e-06 V	-0,000233 V	1.23%	Pass
Channel 3	-45.000000 V	-45.001467 V	-45.019020 V	-44.980980 V	540.00 e-06 V	-0,001467 V	7.71%	Pass
Channel 4	-45.000000 V	-44.997100 V	-45.019020 V	-44.980980 V	540.00 e-06 V	0,002900 V	15.2%	Pass
Channel 5	-45.000000 V	-44.999667 V	-45.019020 V	-44.980980 V	540.00 e-06 V	0,000333 V	1.75%	Pass
Channel 6	-45.000000 V	-45.000400 V	-45.019020 V	-44.980980 V	540.00 e-06 V	-0,000400 V	2.1%	Pass
Test @ 35V_RMS @ 50Hz								
Channel 1	35.000000 V	35.006700 V	34.982980 V	35.017020 V	11.00 e-03 V	0,006700 V	39.4%	Pass
Channel 2	35.000000 V	35.004933 V	34.982980 V	35.017020 V	11.00 e-03 V	0,004933 V	29%	Pass
Channel 3	35.000000 V	35.004433 V	34.982980 V	35.017020 V	11.00 e-03 V	0,004433 V	26%	Pass
Channel 4	35.000000 V	35.005867 V	34.982980 V	35.017020 V	11.00 e-03 V	0,005867 V	34.5%	Pass
Channel 5	35.000000 V	35.005000 V	34.982980 V	35.017020 V	11.00 e-03 V	0,005000 V	29.4%	Pass
Channel 6	35.000000 V	35.005400 V	34.982980 V	35.017020 V	11.00 e-03 V	0,005400 V	31.7%	Pass
Test @ 35V_RMS @ 1000Hz								
Channel 1	35.000000 V	35.003667 V	34.982980 V	35.017020 V	12.00 e-03 V	0,003667 V	21.5%	Pass
Channel 2	35.000000 V	35.002433 V	34.982980 V	35.017020 V	12.00 e-03 V	0,002433 V	14.3%	Pass
Channel 3	35.000000 V	35.002167 V	34.982980 V	35.017020 V	12.00 e-03 V	0,002167 V	12.7%	Pass
Channel 4	35.000000 V	35.003633 V	34.982980 V	35.017020 V	12.00 e-03 V	0,003633 V	21.3%	Pass
Channel 5	35.000000 V	35.002700 V	34.982980 V	35.017020 V	12.00 e-03 V	0,002700 V	15.9%	Pass
Channel 6	35.000000 V	35.002800 V	34.982980 V	35.017020 V	12.00 e-03 V	0,002800 V	16.5%	Pass
Range: 100V								
Manufacturer Limits: 70V DC / 47.2V_peak AC								
################################								
Test @ 10V DC								
Channel 1	10.000000 V	9.999950 V	9.977980 V	10.022020 V	190.00 e-06 V	-0,000050 V	0.227%	Pass
Channel 2	10.000000 V	10.000400 V	9.977980 V	10.022020 V	190.00 e-06 V	0,000400 V	1.82%	Pass
Channel 3	10.000000 V	9.999910 V	9.977980 V	10.022020 V	190.00 e-06 V	-0,000090 V	0.409%	Pass
Channel 4	10.000000 V	10.001700 V	9.977980 V	10.022020 V	190.00 e-06 V	0,001700 V	7.72%	Pass
Channel 5	10.000000 V	10.000600 V	9.977980 V	10.022020 V	190.00 e-06 V	0,000600 V	2.72%	Pass
Channel 6	10.000000 V	10.000500 V	9.977980 V	10.022020 V	190.00 e-06 V	0,000500 V	2.27%	Pass
Test @ 50V DC								
Channel 1	50.000000 V	50.001367 V	49.969980 V	50.030020 V	1.50 e-03 V	0,001367 V	4.55%	Pass
Channel 2	50.000000 V	50.000633 V	49.969980 V	50.030020 V	1.50 e-03 V	0,000633 V	2.11%	Pass
Channel 3	50.000000 V	50.001033 V	49.969980 V	50.030020 V	1.50 e-03 V	0,001033 V	3.44%	Pass
Channel 4	50.000000 V	50.000467 V	49.969980 V	50.030020 V	1.50 e-03 V	0,000467 V	1.55%	Pass
Channel 5	50.000000 V	50.000600 V	49.969980 V	50.030020 V	1.50 e-03 V	0,000600 V	2%	Pass
Channel 6	50.000000 V	50.001333 V	49.969980 V	50.030020 V	1.50 e-03 V	0,001333 V	4.44%	Pass
Test @ 70V DC								
Channel 1	70.000000 V	70.001633 V	69.965980 V	70.034020 V	2.00 e-03 V	0,001633 V	4.8%	Pass
Channel 2	70.000000 V	70.000433 V	69.965980 V	70.034020 V	2.00 e-03 V	0,000433 V	1.27%	Pass
Channel 3	70.000000 V	70.001133 V	69.965980 V	70.034020 V	2.00 e-03 V	0,001133 V	3.33%	Pass
Channel 4	70.000000 V	69.999200 V	69.965980 V	70.034020 V	2.00 e-03 V	-0,000800 V	2.35%	Pass
Channel 5	70.000000 V	70.000000 V	69.965980 V	70.034020 V	2.00 e-03 V	0,000000 V	0%	Pass
Channel 6	70.000000 V	70.001233 V	69.965980 V	70.034020 V	2.00 e-03 V	0,001233 V	3.63%	Pass
Test @ -70V DC								
Channel 1	-70.000000 V	-70.002100 V	-70.034020 V	-69.965980 V	2.00 e-03 V	-0,002100 V	6.17%	Pass
Channel 2	-70.000000 V	-70.000733 V	-70.034020 V	-69.965980 V	2.00 e-03 V	-0,000733 V	2.16%	Pass
Channel 3	-70.000000 V	-70.001033 V	-70.034020 V	-69.965980 V	2.00 e-03 V	-0,001033 V	3.04%	Pass
Channel 4	-70.000000 V	-69.995433 V	-70.034020 V	-69.965980 V	2.00 e-03 V	0,004567 V	13.4%	Pass
Channel 5	-70.000000 V	-69.999800 V	-70.034020 V	-69.965980 V	2.00 e-03 V	0,000200 V	0.588%	Pass
Channel 6	-70.000000 V	-70.000767 V	-70.034020 V	-69.965980 V	2.00 e-03 V	-0,000767 V	2.25%	Pass
Test @ 45V_RMS @ 50Hz								
Channel 1	45.000000 V	45.006233 V	44.970980 V	45.029020 V	13.00 e-03 V	0,006233 V	21.5%	Pass
Channel 2	45.000000 V	45.005333 V	44.970980 V	45.029020 V	13.00 e-03 V	0,005333 V	18.4%	Pass
Channel 3	45.000000 V	45.005867 V	44.970980 V	45.029020 V	13.00 e-03 V	0,005867 V	20.2%	Pass
Channel 4	45.000000 V	45.003467 V	44.970980 V	45.029020 V	13.00 e-03 V	0,003467 V	11.9%	Pass
Channel 5	45.000000 V	45.004800 V	44.970980 V	45.029020 V	13.00 e-03 V	0,004800 V	16.5%	Pass
Channel 6	45.000000 V	45.005667 V	44.970980 V	45.029020 V	13.00 e-03 V	0,005667 V	19.5%	Pass

11. Testergebnisse / Test results

Test Description	True Value	Test Result	Lower limit	Upper limit	Exp Uncert	Error	% of Tol	Status	
Test @ 45V RMS @ 1000Hz									
Channel 1	45.000000 V	45.003633 V	44.970980 V	45.029020 V	14.00 e-03 V	0,003633 V	12.5%	Pass	
Channel 2	45.000000 V	45.002967 V	44.970980 V	45.029020 V	14.00 e-03 V	0,002967 V	10.2%	Pass	
Channel 3	45.000000 V	45.003233 V	44.970980 V	45.029020 V	14.00 e-03 V	0,003233 V	11.1%	Pass	
Channel 4	45.000000 V	45.001000 V	44.970980 V	45.029020 V	14.00 e-03 V	0,001000 V	3.45%	Pass	
Channel 5	45.000000 V	45.002400 V	44.970980 V	45.029020 V	14.00 e-03 V	0,002400 V	8.27%	Pass	
Channel 6	45.000000 V	45.003267 V	44.970980 V	45.029020 V	14.00 e-03 V	0,003267 V	11.3%	Pass	
CMRR test at 50V-range @ 50Hz									
##############################									
CMRR better than 84dB CH1								Pass	(1)
CMRR better than 84dB CH2								Pass	(1)
CMRR better than 84dB CH3								Pass	(1)
CMRR better than 84dB CH4								Pass	(1)
CMRR better than 84dB CH5								Pass	(1)
CMRR better than 84dB CH6								Pass	(1)
CMRR test at 50V-range @ 1kHz									
CMRR better than 54dB CH1								Pass	(1)
CMRR better than 54dB CH2								Pass	(1)
CMRR better than 54dB CH3								Pass	(1)
CMRR better than 54dB CH4								Pass	(1)
CMRR better than 54dB CH5								Pass	(1)
CMRR better than 54dB CH6								Pass	(1)
CMRR test at 100mV-range @ 50Hz									
CMRR better than 134dB CH1								Pass	(1)
CMRR better than 134dB CH2								Pass	(1)
CMRR better than 134dB CH3								Pass	(1)
CMRR better than 134dB CH4								Pass	(1)
CMRR better than 134dB CH5								Pass	(1)
CMRR better than 134dB CH6								Pass	(1)
Hardware Check (Selftest)								Pass	(1)
35 °C @ BoardTemp	35. °C	32 °C	25 °C	45 °C		-3,00 °C	30%	Pass	(1)

Ende des Kalibrierscheines / *End of Calibration Certificate*