DEWETRON GmbH

Parkring 4
8074 Grambach
Austria

AAT2560055
Akkreditierung Austria 0632
21.01.2025

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*	8 Channel Data Acquisition
Hersteller *Manufacturer*	DEWETRON
Typ *Type*	TRION-2402-dACC
Herstellernummer *Serial number*	A0150022
Auftraggeber *Customer*	
Kalibriernummer *Order number*	AAT2560055
Anzahl der Seiten des Kalibrierscheines *Number of pages of the certificate*	15
Datum der Kalibrierung *Date of calibration*	21.01.2025

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*
	21.01.2025	Stefan Strohmaier	Nandor Nagy

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1. Kalibriergegenstand / *Calibration object*

8 Channel Data Acquisition DEWETRON TRION-2402-dACC, S/N: A0150022

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-2402-dACC_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:*	23,3 °C
Rel. Luftfeuchte / *Rel. humidity:*	34,9 % 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-02_Wechselspannung_v1.0_2024-07-04.xlsx-02C
CAL-KV-02_Wechselspannung_v1.0_2024-07-04.xlsx-04C
CAL-KV-03_Gleichstromstärke_v1.0_2024-07-04.xlsx-07

Current Temperature of DMM and Calibrator
DMM: 41.0°C
Calibrator: 25.67°C

API Version: 7.3.2.6198
Card Type: TRION-2402-dACC-8-SMB
Firmware Version: 1119
Model version: 1.14
XML version: SVN 1524752978
SN. of board: A0150022
SN. of connector: 00G10075

Excitation Current Calibration
Accuracy: 0.05% of Value ±2µA

Channel 1	0.10 mA	0.0994 mA	0.0980 mA	0.1020 mA	11.00 e-06 mA	-0,0006 mA	30.9%	Pass
Channel 1	1.00 mA	0.9990 mA	0.9975 mA	1.0025 mA	42.00 e-06 mA	-0,0010 mA	39.3%	Pass
Channel 1	2.00 mA	1.9988 mA	1.9970 mA	2.0030 mA	140.00 e-06 mA	-0,0012 mA	40.9%	Pass
Channel 1	10.00 mA	9.9956 mA	9.9930 mA	10.0070 mA	420.00 e-06 mA	-0,0044 mA	62.6%	Pass
Channel 1	20.00 mA	19.9969 mA	19.9880 mA	20.0120 mA	1.80 e-03 mA	-0,0031 mA	25.5%	Pass
Channel 2	0.10 mA	0.0994 mA	0.0980 mA	0.1020 mA	11.00 e-06 mA	-0,0006 mA	28.7%	Pass
Channel 2	1.00 mA	0.9991 mA	0.9975 mA	1.0025 mA	42.00 e-06 mA	-0,0009 mA	35.4%	Pass
Channel 2	2.00 mA	1.9987 mA	1.9970 mA	2.0030 mA	140.00 e-06 mA	-0,0013 mA	43.3%	Pass
Channel 2	10.00 mA	9.9960 mA	9.9930 mA	10.0070 mA	420.00 e-06 mA	-0,0040 mA	57.1%	Pass
Channel 2	20.00 mA	19.9975 mA	19.9880 mA	20.0120 mA	1.80 e-03 mA	-0,0025 mA	21.1%	Pass
Channel 3	0.10 mA	0.0995 mA	0.0980 mA	0.1020 mA	11.00 e-06 mA	-0,0005 mA	24.9%	Pass
Channel 3	1.00 mA	0.9993 mA	0.9975 mA	1.0025 mA	42.00 e-06 mA	-0,0007 mA	29.6%	Pass
Channel 3	2.00 mA	1.9990 mA	1.9970 mA	2.0030 mA	140.00 e-06 mA	-0,0010 mA	34.1%	Pass
Channel 3	10.00 mA	9.9959 mA	9.9930 mA	10.0070 mA	420.00 e-06 mA	-0,0041 mA	58.2%	Pass
Channel 3	20.00 mA	19.9975 mA	19.9880 mA	20.0120 mA	1.80 e-03 mA	-0,0025 mA	20.7%	Pass
Channel 4	0.10 mA	0.0994 mA	0.0980 mA	0.1020 mA	11.00 e-06 mA	-0,0006 mA	29.6%	Pass
Channel 4	1.00 mA	0.9994 mA	0.9975 mA	1.0025 mA	42.00 e-06 mA	-0,0006 mA	25.4%	Pass
Channel 4	2.00 mA	1.9986 mA	1.9970 mA	2.0030 mA	140.00 e-06 mA	-0,0014 mA	47.6%	Pass
Channel 4	10.00 mA	9.9952 mA	9.9930 mA	10.0070 mA	420.00 e-06 mA	-0,0048 mA	68.1%	Pass
Channel 4	20.00 mA	19.9975 mA	19.9880 mA	20.0120 mA	1.80 e-03 mA	-0,0025 mA	20.7%	Pass
Channel 5	0.10 mA	0.0996 mA	0.0980 mA	0.1020 mA	11.00 e-06 mA	-0,0004 mA	19.1%	Pass
Channel 5	1.00 mA	0.9995 mA	0.9975 mA	1.0025 mA	42.00 e-06 mA	-0,0005 mA	20.3%	Pass
Channel 5	2.00 mA	1.9991 mA	1.9970 mA	2.0030 mA	140.00 e-06 mA	-0,0009 mA	30.4%	Pass
Channel 5	10.00 mA	9.9952 mA	9.9930 mA	10.0070 mA	420.00 e-06 mA	-0,0048 mA	68%	Pass
Channel 5	20.00 mA	19.9955 mA	19.9880 mA	20.0120 mA	1.80 e-03 mA	-0,0045 mA	37.4%	Pass
Channel 6	0.10 mA	0.0996 mA	0.0980 mA	0.1020 mA	11.00 e-06 mA	-0,0004 mA	17.2%	Pass
Channel 6	1.00 mA	0.9995 mA	0.9975 mA	1.0025 mA	42.00 e-06 mA	-0,0005 mA	19.1%	Pass
Channel 6	2.00 mA	1.9988 mA	1.9970 mA	2.0030 mA	140.00 e-06 mA	-0,0012 mA	41.6%	Pass
Channel 6	10.00 mA	9.9940 mA	9.9930 mA	10.0070 mA	420.00 e-06 mA	-0,0060 mA	86.1%	Pass
Channel 6	20.00 mA	19.9975 mA	19.9880 mA	20.0120 mA	1.80 e-03 mA	-0,0025 mA	20.5%	Pass
Channel 7	0.10 mA	0.0997 mA	0.0980 mA	0.1020 mA	11.00 e-06 mA	-0,0003 mA	13.7%	Pass
Channel 7	1.00 mA	0.9997 mA	0.9975 mA	1.0025 mA	42.00 e-06 mA	-0,0003 mA	10.4%	Pass
Channel 7	2.00 mA	1.9988 mA	1.9970 mA	2.0030 mA	140.00 e-06 mA	-0,0012 mA	41%	Pass
Channel 7	10.00 mA	9.9963 mA	9.9930 mA	10.0070 mA	420.00 e-06 mA	-0,0037 mA	53.3%	Pass
Channel 7	20.00 mA	19.9981 mA	19.9880 mA	20.0120 mA	1.80 e-03 mA	-0,0019 mA	16.2%	Pass
Channel 8	0.10 mA	0.0998 mA	0.0980 mA	0.1020 mA	11.00 e-06 mA	-0,0002 mA	10.6%	Pass
Channel 8	1.00 mA	0.9999 mA	0.9975 mA	1.0025 mA	42.00 e-06 mA	-0,0001 mA	5.24%	Pass
Channel 8	2.00 mA	1.9992 mA	1.9970 mA	2.0030 mA	140.00 e-06 mA	-0,0008 mA	28.2%	Pass
Channel 8	10.00 mA	9.9961 mA	9.9930 mA	10.0070 mA	420.00 e-06 mA	-0,0039 mA	55.1%	Pass
Channel 8	20.00 mA	19.9983 mA	19.9880 mA	20.0120 mA	1.80 e-03 mA	-0,0017 mA	14.4%	Pass

DC Accuracy:
±0.02% of reading ±0.02% of Range ±200µV

AC Accuracy (not specified by manufacturer):
additional to DC tolerance
DC to 1kHz : no additional tolerance
>1kHz to 5kHz : ±0.18% of reading
>5kHz to 10kHz : ±0.48% of reading
>10kHz to 20kHz : ±0.98% of reading

All Tests done with appropriate Range
Samplerate for Testsignals >1kHz: 200kS/s

11. Testergebnisse / Test results

Test Description	True Value	Test Result	Lower limit	Upper limit	Exp Uncert	Error	% of Tol	Status
Samplerate for all other Tests:	50kS/s							
Range: 0.03V								
##############################								
Test @ 0V DC								
Channel 1	0.000000 V	0.000001 V	-0.000206 V	0.000206 V	3.40 e-06 V	0,000001 V	0.385%	Pass
Channel 2	0.000000 V	0.000004 V	-0.000206 V	0.000206 V	3.40 e-06 V	0,000004 V	1.83%	Pass
Channel 3	0.000000 V	0.000038 V	-0.000206 V	0.000206 V	3.40 e-06 V	0,000038 V	18.5%	Pass
Channel 4	0.000000 V	0.000047 V	-0.000206 V	0.000206 V	3.40 e-06 V	0,000047 V	22.9%	Pass
Channel 5	0.000000 V	0.000008 V	-0.000206 V	0.000206 V	3.40 e-06 V	0,000008 V	3.92%	Pass
Channel 6	0.000000 V	0.000020 V	-0.000206 V	0.000206 V	3.40 e-06 V	0,000020 V	9.78%	Pass
Channel 7	0.000000 V	-0.000002 V	-0.000206 V	0.000206 V	3.40 e-06 V	-0,000002 V	0.886%	Pass
Channel 8	0.000000 V	0.000006 V	-0.000206 V	0.000206 V	3.40 e-06 V	0,000006 V	3.01%	Pass
Test @ 0.003V DC								
Channel 1	0.003000 V	0.003002 V	0.002793 V	0.003207 V	3.40 e-06 V	0,000002 V	1.02%	Pass
Channel 2	0.003000 V	0.003004 V	0.002793 V	0.003207 V	3.40 e-06 V	0,000004 V	1.8%	Pass
Channel 3	0.003000 V	0.003038 V	0.002793 V	0.003207 V	3.40 e-06 V	0,000038 V	18.6%	Pass
Channel 4	0.003000 V	0.003048 V	0.002793 V	0.003207 V	3.40 e-06 V	0,000048 V	23.5%	Pass
Channel 5	0.003000 V	0.003009 V	0.002793 V	0.003207 V	3.40 e-06 V	0,000009 V	4.55%	Pass
Channel 6	0.003000 V	0.003020 V	0.002793 V	0.003207 V	3.40 e-06 V	0,000020 V	9.86%	Pass
Channel 7	0.003000 V	0.002998 V	0.002793 V	0.003207 V	3.40 e-06 V	-0,000002 V	1.01%	Pass
Channel 8	0.003000 V	0.003007 V	0.002793 V	0.003207 V	3.40 e-06 V	0,000007 V	3.37%	Pass
Test @ 0.015V DC								
Channel 1	0.015000 V	0.015000 V	0.014791 V	0.015209 V	3.50 e-06 V	0,000000 V	0.0159%	Pass
Channel 2	0.015000 V	0.015005 V	0.014791 V	0.015209 V	3.50 e-06 V	0,000005 V	2.17%	Pass
Channel 3	0.015000 V	0.015037 V	0.014791 V	0.015209 V	3.50 e-06 V	0,000037 V	17.5%	Pass
Channel 4	0.015000 V	0.015050 V	0.014791 V	0.015209 V	3.50 e-06 V	0,000050 V	23.9%	Pass
Channel 5	0.015000 V	0.015009 V	0.014791 V	0.015209 V	3.50 e-06 V	0,000009 V	4.27%	Pass
Channel 6	0.015000 V	0.015023 V	0.014791 V	0.015209 V	3.50 e-06 V	0,000023 V	10.9%	Pass
Channel 7	0.015000 V	0.014998 V	0.014791 V	0.015209 V	3.50 e-06 V	-0,000002 V	0.893%	Pass
Channel 8	0.015000 V	0.015009 V	0.014791 V	0.015209 V	3.50 e-06 V	0,000009 V	4.24%	Pass
Test @ 0.027V DC								
Channel 1	0.027000 V	0.026999 V	0.026789 V	0.027211 V	3.60 e-06 V	-0,000001 V	0.678%	Pass
Channel 2	0.027000 V	0.027003 V	0.026789 V	0.027211 V	3.60 e-06 V	0,000003 V	1.58%	Pass
Channel 3	0.027000 V	0.027037 V	0.026789 V	0.027211 V	3.60 e-06 V	0,000037 V	17.7%	Pass
Channel 4	0.027000 V	0.027050 V	0.026789 V	0.027211 V	3.60 e-06 V	0,000050 V	23.7%	Pass
Channel 5	0.027000 V	0.027011 V	0.026789 V	0.027211 V	3.60 e-06 V	0,000011 V	5.35%	Pass
Channel 6	0.027000 V	0.027019 V	0.026789 V	0.027211 V	3.60 e-06 V	0,000019 V	9.16%	Pass
Channel 7	0.027000 V	0.026999 V	0.026789 V	0.027211 V	3.60 e-06 V	-0,000001 V	0.615%	Pass
Channel 8	0.027000 V	0.027010 V	0.026789 V	0.027211 V	3.60 e-06 V	0,000010 V	4.87%	Pass
Test @ -0.027V DC								
Channel 1	-0.027000 V	-0.026998 V	-0.027211 V	-0.026789 V	3.60 e-06 V	0,000002 V	1.06%	Pass
Channel 2	-0.027000 V	-0.026996 V	-0.027211 V	-0.026789 V	3.60 e-06 V	0,000004 V	2.03%	Pass
Channel 3	-0.027000 V	-0.026962 V	-0.027211 V	-0.026789 V	3.60 e-06 V	0,000038 V	17.8%	Pass
Channel 4	-0.027000 V	-0.026956 V	-0.027211 V	-0.026789 V	3.60 e-06 V	0,000044 V	21%	Pass
Channel 5	-0.027000 V	-0.026991 V	-0.027211 V	-0.026789 V	3.60 e-06 V	0,000009 V	4.38%	Pass
Channel 6	-0.027000 V	-0.026975 V	-0.027211 V	-0.026789 V	3.60 e-06 V	0,000025 V	11.6%	Pass
Channel 7	-0.027000 V	-0.027000 V	-0.027211 V	-0.026789 V	3.60 e-06 V	0,000000 V	0.0315%	Pass
Channel 8	-0.027000 V	-0.026993 V	-0.027211 V	-0.026789 V	3.60 e-06 V	0,000007 V	3.12%	Pass
Test @ 0.003V RMS @ 1000Hz								
Channel 1	0.003000 V	0.003000 V	0.002793 V	0.003207 V	8.70 e-06 V	0,000000 V	0.155%	Pass
Channel 2	0.003000 V	0.003000 V	0.002793 V	0.003207 V	8.70 e-06 V	0,000000 V	0.0145%	Pass
Channel 3	0.003000 V	0.003000 V	0.002793 V	0.003207 V	8.70 e-06 V	0,000000 V	0.0258%	Pass
Channel 4	0.003000 V	0.003000 V	0.002793 V	0.003207 V	8.70 e-06 V	0,000000 V	0.0823%	Pass
Channel 5	0.003000 V	0.003000 V	0.002793 V	0.003207 V	8.70 e-06 V	0,000000 V	0.0226%	Pass
Channel 6	0.003000 V	0.003000 V	0.002793 V	0.003207 V	8.70 e-06 V	0,000000 V	0.152%	Pass
Channel 7	0.003000 V	0.003000 V	0.002793 V	0.003207 V	8.70 e-06 V	0,000000 V	0.111%	Pass
Channel 8	0.003000 V	0.003000 V	0.002793 V	0.003207 V	8.70 e-06 V	0,000000 V	0.00645%	Pass
Test @ 0.021V_RMS @ 20Hz								
Channel 1	0.021000 V	0.020998 V	0.020790 V	0.021210 V	30.00 e-06 V	-0,000002 V	1.06%	Pass
Channel 2	0.021000 V	0.021001 V	0.020790 V	0.021210 V	30.00 e-06 V	0,000001 V	0.317%	Pass
Channel 3	0.021000 V	0.021001 V	0.020790 V	0.021210 V	30.00 e-06 V	0,000001 V	0.381%	Pass
Channel 4	0.021000 V	0.021002 V	0.020790 V	0.021210 V	30.00 e-06 V	0,000002 V	0.856%	Pass
Channel 5	0.021000 V	0.021001 V	0.020790 V	0.021210 V	30.00 e-06 V	0,000001 V	0.396%	Pass
Channel 6	0.021000 V	0.020998 V	0.020790 V	0.021210 V	30.00 e-06 V	-0,000002 V	0.761%	Pass
Channel 7	0.021000 V	0.020999 V	0.020790 V	0.021210 V	30.00 e-06 V	-0,000001 V	0.317%	Pass
Channel 8	0.021000 V	0.021001 V	0.020790 V	0.021210 V	30.00 e-06 V	0,000001 V	0.396%	Pass
Test @ 0.021V_RMS @ 50Hz								
Channel 1	0.021000 V	0.020999 V	0.020790 V	0.021210 V	12.00 e-06 V	-0,000001 V	0.365%	Pass
Channel 2	0.021000 V	0.021002 V	0.020790 V	0.021210 V	12.00 e-06 V	0,000002 V	0.983%	Pass
Channel 3	0.021000 V	0.021002 V	0.020790 V	0.021210 V	12.00 e-06 V	0,000002 V	1.11%	Pass

11. Testergebnisse / Test results

Test Description	True Value	Test Result	Lower limit	Upper limit	Exp Uncert	Error	% of Tol	Status
Channel 4	0.021000 V	0.021004 V	0.020790 V	0.021210 V	12.00 e-06 V	0,000004 V	1.71%	Pass
Channel 5	0.021000 V	0.021002 V	0.020790 V	0.021210 V	12.00 e-06 V	0,000002 V	1.16%	Pass
Channel 6	0.021000 V	0.021000 V	0.020790 V	0.021210 V	12.00 e-06 V	0,000000 V	0.174%	Pass
Channel 7	0.021000 V	0.021001 V	0.020790 V	0.021210 V	12.00 e-06 V	0,000001 V	0.412%	Pass
Channel 8	0.021000 V	0.021002 V	0.020790 V	0.021210 V	12.00 e-06 V	0,000002 V	1.11%	Pass
Test @ 0.021V RMS @ 1000Hz								
Channel 1	0.021000 V	0.020996 V	0.020790 V	0.021210 V	12.00 e-06 V	-0,000004 V	1.79%	Pass
Channel 2	0.021000 V	0.020999 V	0.020790 V	0.021210 V	12.00 e-06 V	-0,000001 V	0.428%	Pass
Channel 3	0.021000 V	0.020999 V	0.020790 V	0.021210 V	12.00 e-06 V	-0,000001 V	0.333%	Pass
Channel 4	0.021000 V	0.021000 V	0.020790 V	0.021210 V	12.00 e-06 V	0,000000 V	0.0951%	Pass
Channel 5	0.021000 V	0.020999 V	0.020790 V	0.021210 V	12.00 e-06 V	-0,000001 V	0.444%	Pass
Channel 6	0.021000 V	0.020997 V	0.020790 V	0.021210 V	12.00 e-06 V	-0,000003 V	1.59%	Pass
Channel 7	0.021000 V	0.020998 V	0.020790 V	0.021210 V	12.00 e-06 V	-0,000002 V	1.11%	Pass
Channel 8	0.021000 V	0.020999 V	0.020790 V	0.021210 V	12.00 e-06 V	-0,000001 V	0.412%	Pass
Range: 0.1V								
################################								
Test @ 0.01V DC								
Channel 1	0.010000 V	0.010000 V	0.009778 V	0.010222 V	3.50 e-06 V	0,000000 V	0.015%	Pass
Channel 2	0.010000 V	0.010001 V	0.009778 V	0.010222 V	3.50 e-06 V	0,000001 V	0.345%	Pass
Channel 3	0.010000 V	0.010042 V	0.009778 V	0.010222 V	3.50 e-06 V	0,000042 V	19.1%	Pass
Channel 4	0.010000 V	0.010052 V	0.009778 V	0.010222 V	3.50 e-06 V	0,000052 V	23.2%	Pass
Channel 5	0.010000 V	0.010013 V	0.009778 V	0.010222 V	3.50 e-06 V	0,000013 V	5.74%	Pass
Channel 6	0.010000 V	0.010023 V	0.009778 V	0.010222 V	3.50 e-06 V	0,000023 V	10.2%	Pass
Channel 7	0.010000 V	0.010002 V	0.009778 V	0.010222 V	3.50 e-06 V	0,000002 V	0.721%	Pass
Channel 8	0.010000 V	0.010007 V	0.009778 V	0.010222 V	3.50 e-06 V	0,000007 V	3.18%	Pass
Test @ 0.05V DC								
Channel 1	0.050000 V	0.050002 V	0.049770 V	0.050230 V	3.80 e-06 V	0,000002 V	0.725%	Pass
Channel 2	0.050000 V	0.050003 V	0.049770 V	0.050230 V	3.80 e-06 V	0,000003 V	1.25%	Pass
Channel 3	0.050000 V	0.050042 V	0.049770 V	0.050230 V	3.80 e-06 V	0,000042 V	18.4%	Pass
Channel 4	0.050000 V	0.050054 V	0.049770 V	0.050230 V	3.80 e-06 V	0,000054 V	23.3%	Pass
Channel 5	0.050000 V	0.050015 V	0.049770 V	0.050230 V	3.80 e-06 V	0,000015 V	6.41%	Pass
Channel 6	0.050000 V	0.050022 V	0.049770 V	0.050230 V	3.80 e-06 V	0,000022 V	9.68%	Pass
Channel 7	0.050000 V	0.050002 V	0.049770 V	0.050230 V	3.80 e-06 V	0,000002 V	0.855%	Pass
Channel 8	0.050000 V	0.050010 V	0.049770 V	0.050230 V	3.80 e-06 V	0,000010 V	4.28%	Pass
Test @ 0.09V DC								
Channel 1	0.090000 V	0.090001 V	0.089762 V	0.090238 V	4.10 e-06 V	0,000001 V	0.308%	Pass
Channel 2	0.090000 V	0.090004 V	0.089762 V	0.090238 V	4.10 e-06 V	0,000004 V	1.83%	Pass
Channel 3	0.090000 V	0.090042 V	0.089762 V	0.090238 V	4.10 e-06 V	0,000042 V	17.8%	Pass
Channel 4	0.090000 V	0.090051 V	0.089762 V	0.090238 V	4.10 e-06 V	0,000051 V	21.5%	Pass
Channel 5	0.090000 V	0.090013 V	0.089762 V	0.090238 V	4.10 e-06 V	0,000013 V	5.34%	Pass
Channel 6	0.090000 V	0.090019 V	0.089762 V	0.090238 V	4.10 e-06 V	0,000019 V	8.01%	Pass
Channel 7	0.090000 V	0.090002 V	0.089762 V	0.090238 V	4.10 e-06 V	0,000002 V	1.02%	Pass
Channel 8	0.090000 V	0.090012 V	0.089762 V	0.090238 V	4.10 e-06 V	0,000012 V	5.18%	Pass
Test @ -0.09V DC								
Channel 1	-0.090000 V	-0.090010 V	-0.090238 V	-0.089762 V	4.10 e-06 V	-0,000010 V	4.16%	Pass
Channel 2	-0.090000 V	-0.090011 V	-0.090238 V	-0.089762 V	4.10 e-06 V	-0,000011 V	4.45%	Pass
Channel 3	-0.090000 V	-0.089968 V	-0.090238 V	-0.089762 V	4.10 e-06 V	0,000032 V	13.5%	Pass
Channel 4	-0.090000 V	-0.089960 V	-0.090238 V	-0.089762 V	4.10 e-06 V	0,000040 V	16.9%	Pass
Channel 5	-0.090000 V	-0.089991 V	-0.090238 V	-0.089762 V	4.10 e-06 V	0,000009 V	3.75%	Pass
Channel 6	-0.090000 V	-0.089987 V	-0.090238 V	-0.089762 V	4.10 e-06 V	0,000013 V	5.64%	Pass
Channel 7	-0.090000 V	-0.090013 V	-0.090238 V	-0.089762 V	4.10 e-06 V	-0,000013 V	5.48%	Pass
Channel 8	-0.090000 V	-0.090003 V	-0.090238 V	-0.089762 V	4.10 e-06 V	-0,000003 V	1.4%	Pass
Test @ 0.07V RMS @ 20Hz								
Channel 1	0.070000 V	0.070006 V	0.069766 V	0.070234 V	37.00 e-06 V	0,000006 V	2.71%	Pass
Channel 2	0.070000 V	0.070008 V	0.069766 V	0.070234 V	37.00 e-06 V	0,000008 V	3.5%	Pass
Channel 3	0.070000 V	0.070007 V	0.069766 V	0.070234 V	37.00 e-06 V	0,000007 V	2.99%	Pass
Channel 4	0.070000 V	0.070007 V	0.069766 V	0.070234 V	37.00 e-06 V	0,000007 V	3.06%	Pass
Channel 5	0.070000 V	0.070005 V	0.069766 V	0.070234 V	37.00 e-06 V	0,000005 V	1.99%	Pass
Channel 6	0.070000 V	0.070004 V	0.069766 V	0.070234 V	37.00 e-06 V	0,000004 V	1.88%	Pass
Channel 7	0.070000 V	0.070009 V	0.069766 V	0.070234 V	37.00 e-06 V	0,000009 V	3.68%	Pass
Channel 8	0.070000 V	0.070008 V	0.069766 V	0.070234 V	37.00 e-06 V	0,000008 V	3.43%	Pass
Test @ 0.07V RMS @ 50Hz								
Channel 1	0.070000 V	0.070005 V	0.069766 V	0.070234 V	23.00 e-06 V	0,000005 V	2.35%	Pass
Channel 2	0.070000 V	0.070007 V	0.069766 V	0.070234 V	23.00 e-06 V	0,000007 V	3.08%	Pass
Channel 3	0.070000 V	0.070006 V	0.069766 V	0.070234 V	23.00 e-06 V	0,000006 V	2.61%	Pass
Channel 4	0.070000 V	0.070006 V	0.069766 V	0.070234 V	23.00 e-06 V	0,000006 V	2.49%	Pass
Channel 5	0.070000 V	0.070004 V	0.069766 V	0.070234 V	23.00 e-06 V	0,000004 V	1.51%	Pass
Channel 6	0.070000 V	0.070004 V	0.069766 V	0.070234 V	23.00 e-06 V	0,000004 V	1.62%	Pass
Channel 7	0.070000 V	0.070008 V	0.069766 V	0.070234 V	23.00 e-06 V	0,000008 V	3.45%	Pass
Channel 8	0.070000 V	0.070008 V	0.069766 V	0.070234 V	23.00 e-06 V	0,000008 V	3.26%	Pass

11. Testergebnisse / Test results

Test Description	True Value	Test Result	Lower limit	Upper limit	Exp Uncert	Error	% of Tol	Status
Test @ 0.07V_RMS @ 1000Hz								
Channel 1	0.070000 V	0.070001 V	0.069766 V	0.070234 V	23.00 e-06 V	0,000001 V	0.499%	Pass
Channel 2	0.070000 V	0.070003 V	0.069766 V	0.070234 V	23.00 e-06 V	0,000003 V	1.3%	Pass
Channel 3	0.070000 V	0.070002 V	0.069766 V	0.070234 V	23.00 e-06 V	0,000002 V	0.726%	Pass
Channel 4	0.070000 V	0.070001 V	0.069766 V	0.070234 V	23.00 e-06 V	0,000001 V	0.641%	Pass
Channel 5	0.070000 V	0.069999 V	0.069766 V	0.070234 V	23.00 e-06 V	-0,000001 V	0.513%	Pass
Channel 6	0.070000 V	0.069999 V	0.069766 V	0.070234 V	23.00 e-06 V	-0,000001 V	0.584%	Pass
Channel 7	0.070000 V	0.070003 V	0.069766 V	0.070234 V	23.00 e-06 V	0,000003 V	1.14%	Pass
Channel 8	0.070000 V	0.070002 V	0.069766 V	0.070234 V	23.00 e-06 V	0,000002 V	0.897%	Pass
Range: 0.3V								
##############################								
Test @ 0.03V DC								
Channel 1	0.030000 V	0.029996 V	0.029734 V	0.030266 V	3.60 e-06 V	-0,000004 V	1.52%	Pass
Channel 2	0.030000 V	0.030006 V	0.029734 V	0.030266 V	3.60 e-06 V	0,000006 V	2.31%	Pass
Channel 3	0.030000 V	0.030039 V	0.029734 V	0.030266 V	3.60 e-06 V	0,000039 V	14.8%	Pass
Channel 4	0.030000 V	0.030052 V	0.029734 V	0.030266 V	3.60 e-06 V	0,000052 V	19.4%	Pass
Channel 5	0.030000 V	0.030018 V	0.029734 V	0.030266 V	3.60 e-06 V	0,000018 V	6.9%	Pass
Channel 6	0.030000 V	0.030022 V	0.029734 V	0.030266 V	3.60 e-06 V	0,000022 V	8.1%	Pass
Channel 7	0.030000 V	0.030005 V	0.029734 V	0.030266 V	3.60 e-06 V	0,000005 V	1.99%	Pass
Channel 8	0.030000 V	0.030013 V	0.029734 V	0.030266 V	3.60 e-06 V	0,000013 V	5.03%	Pass
Test @ 0.15V DC								
Channel 1	0.150000 V	0.149995 V	0.149710 V	0.150290 V	5.30 e-06 V	-0,000005 V	1.61%	Pass
Channel 2	0.150000 V	0.150004 V	0.149710 V	0.150290 V	5.30 e-06 V	0,000004 V	1.49%	Pass
Channel 3	0.150000 V	0.150043 V	0.149710 V	0.150290 V	5.30 e-06 V	0,000043 V	14.8%	Pass
Channel 4	0.150000 V	0.150046 V	0.149710 V	0.150290 V	5.30 e-06 V	0,000046 V	15.9%	Pass
Channel 5	0.150000 V	0.150014 V	0.149710 V	0.150290 V	5.30 e-06 V	0,000014 V	4.83%	Pass
Channel 6	0.150000 V	0.150021 V	0.149710 V	0.150290 V	5.30 e-06 V	0,000021 V	7.24%	Pass
Channel 7	0.150000 V	0.150001 V	0.149710 V	0.150290 V	5.30 e-06 V	0,000001 V	0.23%	Pass
Channel 8	0.150000 V	0.150010 V	0.149710 V	0.150290 V	5.30 e-06 V	0,000010 V	3.45%	Pass
Test @ 0.27V DC								
Channel 1	0.270000 V	0.269997 V	0.269686 V	0.270314 V	8.20 e-06 V	-0,000003 V	0.955%	Pass
Channel 2	0.270000 V	0.270006 V	0.269686 V	0.270314 V	8.20 e-06 V	0,000006 V	1.91%	Pass
Channel 3	0.270000 V	0.270044 V	0.269686 V	0.270314 V	8.20 e-06 V	0,000044 V	14%	Pass
Channel 4	0.270000 V	0.270045 V	0.269686 V	0.270314 V	8.20 e-06 V	0,000045 V	14.2%	Pass
Channel 5	0.270000 V	0.270010 V	0.269686 V	0.270314 V	8.20 e-06 V	0,000010 V	3.29%	Pass
Channel 6	0.270000 V	0.270020 V	0.269686 V	0.270314 V	8.20 e-06 V	0,000020 V	6.48%	Pass
Channel 7	0.270000 V	0.269997 V	0.269686 V	0.270314 V	8.20 e-06 V	-0,000003 V	0.849%	Pass
Channel 8	0.270000 V	0.270007 V	0.269686 V	0.270314 V	8.20 e-06 V	0,000007 V	2.34%	Pass
Test @ -0.27V DC								
Channel 1	-0.270000 V	-0.270006 V	-0.270314 V	-0.269686 V	8.20 e-06 V	-0,000006 V	1.91%	Pass
Channel 2	-0.270000 V	-0.269995 V	-0.270314 V	-0.269686 V	8.20 e-06 V	0,000005 V	1.59%	Pass
Channel 3	-0.270000 V	-0.269969 V	-0.270314 V	-0.269686 V	8.20 e-06 V	0,000031 V	9.87%	Pass
Channel 4	-0.270000 V	-0.269941 V	-0.270314 V	-0.269686 V	8.20 e-06 V	0,000059 V	18.8%	Pass
Channel 5	-0.270000 V	-0.269974 V	-0.270314 V	-0.269686 V	8.20 e-06 V	0,000026 V	8.28%	Pass
Channel 6	-0.270000 V	-0.269971 V	-0.270314 V	-0.269686 V	8.20 e-06 V	0,000029 V	9.24%	Pass
Channel 7	-0.270000 V	-0.269985 V	-0.270314 V	-0.269686 V	8.20 e-06 V	0,000015 V	4.78%	Pass
Channel 8	-0.270000 V	-0.269977 V	-0.270314 V	-0.269686 V	8.20 e-06 V	0,000023 V	7.32%	Pass
Test @ 0.21V_RMS @ 20Hz								
Channel 1	0.210000 V	0.210005 V	0.209698 V	0.210302 V	90.00 e-06 V	0,000005 V	1.66%	Pass
Channel 2	0.210000 V	0.210003 V	0.209698 V	0.210302 V	90.00 e-06 V	0,000003 V	0.993%	Pass
Channel 3	0.210000 V	0.210009 V	0.209698 V	0.210302 V	90.00 e-06 V	0,000009 V	3.09%	Pass
Channel 4	0.210000 V	0.209999 V	0.209698 V	0.210302 V	90.00 e-06 V	-0,000001 V	0.331%	Pass
Channel 5	0.210000 V	0.209999 V	0.209698 V	0.210302 V	90.00 e-06 V	-0,000001 V	0.331%	Pass
Channel 6	0.210000 V	0.210000 V	0.209698 V	0.210302 V	90.00 e-06 V	0,000000 V	0%	Pass
Channel 7	0.210000 V	0.209998 V	0.209698 V	0.210302 V	90.00 e-06 V	-0,000002 V	0.662%	Pass
Channel 8	0.210000 V	0.209997 V	0.209698 V	0.210302 V	90.00 e-06 V	-0,000003 V	0.883%	Pass
Test @ 0.21V_RMS @ 50Hz								
Channel 1	0.210000 V	0.210005 V	0.209698 V	0.210302 V	66.00 e-06 V	0,000005 V	1.66%	Pass
Channel 2	0.210000 V	0.210003 V	0.209698 V	0.210302 V	66.00 e-06 V	0,000003 V	0.993%	Pass
Channel 3	0.210000 V	0.210010 V	0.209698 V	0.210302 V	66.00 e-06 V	0,000010 V	3.2%	Pass
Channel 4	0.210000 V	0.209999 V	0.209698 V	0.210302 V	66.00 e-06 V	-0,000001 V	0.331%	Pass
Channel 5	0.210000 V	0.209999 V	0.209698 V	0.210302 V	66.00 e-06 V	-0,000001 V	0.331%	Pass
Channel 6	0.210000 V	0.210000 V	0.209698 V	0.210302 V	66.00 e-06 V	0,000000 V	0.11%	Pass
Channel 7	0.210000 V	0.209998 V	0.209698 V	0.210302 V	66.00 e-06 V	-0,000002 V	0.662%	Pass
Channel 8	0.210000 V	0.209998 V	0.209698 V	0.210302 V	66.00 e-06 V	-0,000002 V	0.662%	Pass
Test @ 0.21V_RMS @ 1000Hz								
Channel 1	0.210000 V	0.209983 V	0.209698 V	0.210302 V	66.00 e-06 V	-0,000017 V	5.63%	Pass
Channel 2	0.210000 V	0.209982 V	0.209698 V	0.210302 V	66.00 e-06 V	-0,000018 V	5.96%	Pass
Channel 3	0.210000 V	0.209988 V	0.209698 V	0.210302 V	66.00 e-06 V	-0,000012 V	3.97%	Pass
Channel 4	0.210000 V	0.209977 V	0.209698 V	0.210302 V	66.00 e-06 V	-0,000023 V	7.62%	Pass
Channel 5	0.210000 V	0.209977 V	0.209698 V	0.210302 V	66.00 e-06 V	-0,000023 V	7.62%	Pass

11. Testergebnisse / Test results

Test Description	True Value	Test Result	Lower limit	Upper limit	Exp Uncert	Error	% of Tol	Status
Channel 6	0.210000 V	0.209979 V	0.209698 V	0.210302 V	66.00 e-06 V	-0,000021 V	6.95%	Pass
Channel 7	0.210000 V	0.209977 V	0.209698 V	0.210302 V	66.00 e-06 V	-0,000023 V	7.62%	Pass
Channel 8	0.210000 V	0.209977 V	0.209698 V	0.210302 V	66.00 e-06 V	-0,000023 V	7.62%	Pass
Range: 1V								
################################								
Test @ 0.1V DC								
Channel 1	0.100000 V	0.100004 V	0.099580 V	0.100420 V	4.20 e-06 V	0,000004 V	1.03%	Pass
Channel 2	0.100000 V	0.100020 V	0.099580 V	0.100420 V	4.20 e-06 V	0,000020 V	4.68%	Pass
Channel 3	0.100000 V	0.100050 V	0.099580 V	0.100420 V	4.20 e-06 V	0,000050 V	12%	Pass
Channel 4	0.100000 V	0.100067 V	0.099580 V	0.100420 V	4.20 e-06 V	0,000067 V	16%	Pass
Channel 5	0.100000 V	0.100029 V	0.099580 V	0.100420 V	4.20 e-06 V	0,000029 V	6.9%	Pass
Channel 6	0.100000 V	0.100041 V	0.099580 V	0.100420 V	4.20 e-06 V	0,000041 V	9.68%	Pass
Channel 7	0.100000 V	0.100028 V	0.099580 V	0.100420 V	4.20 e-06 V	0,000028 V	6.75%	Pass
Channel 8	0.100000 V	0.100029 V	0.099580 V	0.100420 V	4.20 e-06 V	0,000029 V	6.83%	Pass
Test @ 0.5V DC								
Channel 1	0.500000 V	0.500028 V	0.499500 V	0.500500 V	9.80 e-06 V	0,000028 V	5.6%	Pass
Channel 2	0.500000 V	0.500042 V	0.499500 V	0.500500 V	9.80 e-06 V	0,000042 V	8.33%	Pass
Channel 3	0.500000 V	0.500078 V	0.499500 V	0.500500 V	9.80 e-06 V	0,000078 V	15.5%	Pass
Channel 4	0.500000 V	0.500094 V	0.499500 V	0.500500 V	9.80 e-06 V	0,000094 V	18.8%	Pass
Channel 5	0.500000 V	0.500045 V	0.499500 V	0.500500 V	9.80 e-06 V	0,000045 V	9.07%	Pass
Channel 6	0.500000 V	0.500060 V	0.499500 V	0.500500 V	9.80 e-06 V	0,000060 V	12.1%	Pass
Channel 7	0.500000 V	0.500059 V	0.499500 V	0.500500 V	9.80 e-06 V	0,000059 V	11.9%	Pass
Channel 8	0.500000 V	0.500057 V	0.499500 V	0.500500 V	9.80 e-06 V	0,000057 V	11.5%	Pass
Test @ 0.9V DC								
Channel 1	0.900000 V	0.900024 V	0.899420 V	0.900580 V	15.00 e-06 V	0,000024 V	4.2%	Pass
Channel 2	0.900000 V	0.900041 V	0.899420 V	0.900580 V	15.00 e-06 V	0,000041 V	7.01%	Pass
Channel 3	0.900000 V	0.900085 V	0.899420 V	0.900580 V	15.00 e-06 V	0,000085 V	14.7%	Pass
Channel 4	0.900000 V	0.900096 V	0.899420 V	0.900580 V	15.00 e-06 V	0,000096 V	16.5%	Pass
Channel 5	0.900000 V	0.900041 V	0.899420 V	0.900580 V	15.00 e-06 V	0,000041 V	7.01%	Pass
Channel 6	0.900000 V	0.900050 V	0.899420 V	0.900580 V	15.00 e-06 V	0,000050 V	8.68%	Pass
Channel 7	0.900000 V	0.900059 V	0.899420 V	0.900580 V	15.00 e-06 V	0,000059 V	10.1%	Pass
Channel 8	0.900000 V	0.900061 V	0.899420 V	0.900580 V	15.00 e-06 V	0,000061 V	10.5%	Pass
Test @ -0.9V DC								
Channel 1	-0.900000 V	-0.900035 V	-0.900580 V	-0.899420 V	15.00 e-06 V	-0,000035 V	6.09%	Pass
Channel 2	-0.900000 V	-0.900015 V	-0.900580 V	-0.899420 V	15.00 e-06 V	-0,000015 V	2.53%	Pass
Channel 3	-0.900000 V	-0.900002 V	-0.900580 V	-0.899420 V	15.00 e-06 V	-0,000002 V	0.345%	Pass
Channel 4	-0.900000 V	-0.899973 V	-0.900580 V	-0.899420 V	15.00 e-06 V	0,000027 V	4.71%	Pass
Channel 5	-0.900000 V	-0.899987 V	-0.900580 V	-0.899420 V	15.00 e-06 V	0,000013 V	2.18%	Pass
Channel 6	-0.900000 V	-0.899994 V	-0.900580 V	-0.899420 V	15.00 e-06 V	0,000006 V	0.977%	Pass
Channel 7	-0.900000 V	-0.900020 V	-0.900580 V	-0.899420 V	15.00 e-06 V	-0,000020 V	3.51%	Pass
Channel 8	-0.900000 V	-0.900021 V	-0.900580 V	-0.899420 V	15.00 e-06 V	-0,000021 V	3.68%	Pass
Test @ 0.7V_RMS @ 20Hz								
Channel 1	0.700000 V	0.700028 V	0.699460 V	0.700540 V	320.00 e-06 V	0,000028 V	5.12%	Pass
Channel 2	0.700000 V	0.700025 V	0.699460 V	0.700540 V	320.00 e-06 V	0,000025 V	4.57%	Pass
Channel 3	0.700000 V	0.700038 V	0.699460 V	0.700540 V	320.00 e-06 V	0,000038 V	6.98%	Pass
Channel 4	0.700000 V	0.700030 V	0.699460 V	0.700540 V	320.00 e-06 V	0,000030 V	5.56%	Pass
Channel 5	0.700000 V	0.700012 V	0.699460 V	0.700540 V	320.00 e-06 V	0,000012 V	2.28%	Pass
Channel 6	0.700000 V	0.700020 V	0.699460 V	0.700540 V	320.00 e-06 V	0,000020 V	3.7%	Pass
Channel 7	0.700000 V	0.700032 V	0.699460 V	0.700540 V	320.00 e-06 V	0,000032 V	5.99%	Pass
Channel 8	0.700000 V	0.700036 V	0.699460 V	0.700540 V	320.00 e-06 V	0,000036 V	6.73%	Pass
Test @ 0.7V_RMS @ 50Hz								
Channel 1	0.700000 V	0.700033 V	0.699460 V	0.700540 V	210.00 e-06 V	0,000033 V	6.11%	Pass
Channel 2	0.700000 V	0.700032 V	0.699460 V	0.700540 V	210.00 e-06 V	0,000032 V	5.86%	Pass
Channel 3	0.700000 V	0.700044 V	0.699460 V	0.700540 V	210.00 e-06 V	0,000044 V	8.21%	Pass
Channel 4	0.700000 V	0.700037 V	0.699460 V	0.700540 V	210.00 e-06 V	0,000037 V	6.91%	Pass
Channel 5	0.700000 V	0.700021 V	0.699460 V	0.700540 V	210.00 e-06 V	0,000021 V	3.95%	Pass
Channel 6	0.700000 V	0.700028 V	0.699460 V	0.700540 V	210.00 e-06 V	0,000028 V	5.25%	Pass
Channel 7	0.700000 V	0.700041 V	0.699460 V	0.700540 V	210.00 e-06 V	0,000041 V	7.53%	Pass
Channel 8	0.700000 V	0.700041 V	0.699460 V	0.700540 V	210.00 e-06 V	0,000041 V	7.65%	Pass
Test @ 0.7V_RMS @ 1000Hz								
Channel 1	0.700000 V	0.699992 V	0.699460 V	0.700540 V	210.00 e-06 V	-0,000008 V	1.42%	Pass
Channel 2	0.700000 V	0.699990 V	0.699460 V	0.700540 V	210.00 e-06 V	-0,000010 V	1.79%	Pass
Channel 3	0.700000 V	0.700002 V	0.699460 V	0.700540 V	210.00 e-06 V	0,000002 V	0.309%	Pass
Channel 4	0.700000 V	0.699994 V	0.699460 V	0.700540 V	210.00 e-06 V	-0,000006 V	1.05%	Pass
Channel 5	0.700000 V	0.699979 V	0.699460 V	0.700540 V	210.00 e-06 V	-0,000021 V	3.83%	Pass
Channel 6	0.700000 V	0.699987 V	0.699460 V	0.700540 V	210.00 e-06 V	-0,000013 V	2.41%	Pass
Channel 7	0.700000 V	0.699997 V	0.699460 V	0.700540 V	210.00 e-06 V	-0,000003 V	0.494%	Pass
Channel 8	0.700000 V	0.700000 V	0.699460 V	0.700540 V	210.00 e-06 V	0,000000 V	0.0617%	Pass
Range: 3V								

11. Testergebnisse / Test results

Test Description	True Value	Test Result	Lower limit	Upper limit	Exp Uncert	Error	% of Tol	Status
################################								
Test @ 0.3V DC								
Channel 1	0.300000 V	0.300027 V	0.299140 V	0.300860 V	8.90 e-06 V	0,000027 V	3.1%	Pass
Channel 2	0.300000 V	0.300052 V	0.299140 V	0.300860 V	8.90 e-06 V	0,000052 V	6.05%	Pass
Channel 3	0.300000 V	0.300101 V	0.299140 V	0.300860 V	8.90 e-06 V	0,000101 V	11.7%	Pass
Channel 4	0.300000 V	0.300085 V	0.299140 V	0.300860 V	8.90 e-06 V	0,000085 V	9.88%	Pass
Channel 5	0.300000 V	0.300043 V	0.299140 V	0.300860 V	8.90 e-06 V	0,000043 V	5%	Pass
Channel 6	0.300000 V	0.300067 V	0.299140 V	0.300860 V	8.90 e-06 V	0,000067 V	7.83%	Pass
Channel 7	0.300000 V	0.300066 V	0.299140 V	0.300860 V	8.90 e-06 V	0,000066 V	7.71%	Pass
Channel 8	0.300000 V	0.300039 V	0.299140 V	0.300860 V	8.90 e-06 V	0,000039 V	4.57%	Pass
Test @ 1.5V DC								
Channel 1	1.500000 V	1.500070 V	1.498900 V	1.501100 V	24.00 e-06 V	0,000070 V	6.36%	Pass
Channel 2	1.500000 V	1.500110 V	1.498900 V	1.501100 V	24.00 e-06 V	0,000110 V	10%	Pass
Channel 3	1.500000 V	1.500153 V	1.498900 V	1.501100 V	24.00 e-06 V	0,000153 V	13.9%	Pass
Channel 4	1.500000 V	1.500120 V	1.498900 V	1.501100 V	24.00 e-06 V	0,000120 V	10.9%	Pass
Channel 5	1.500000 V	1.500060 V	1.498900 V	1.501100 V	24.00 e-06 V	0,000060 V	5.45%	Pass
Channel 6	1.500000 V	1.500080 V	1.498900 V	1.501100 V	24.00 e-06 V	0,000080 V	7.27%	Pass
Channel 7	1.500000 V	1.500080 V	1.498900 V	1.501100 V	24.00 e-06 V	0,000080 V	7.27%	Pass
Channel 8	1.500000 V	1.500050 V	1.498900 V	1.501100 V	24.00 e-06 V	0,000050 V	4.55%	Pass
Test @ 2.7V DC								
Channel 1	2.700000 V	2.700133 V	2.698660 V	2.701340 V	41.00 e-06 V	0,000133 V	9.95%	Pass
Channel 2	2.700000 V	2.700170 V	2.698660 V	2.701340 V	41.00 e-06 V	0,000170 V	12.7%	Pass
Channel 3	2.700000 V	2.700220 V	2.698660 V	2.701340 V	41.00 e-06 V	0,000220 V	16.4%	Pass
Channel 4	2.700000 V	2.700160 V	2.698660 V	2.701340 V	41.00 e-06 V	0,000160 V	11.9%	Pass
Channel 5	2.700000 V	2.700090 V	2.698660 V	2.701340 V	41.00 e-06 V	0,000090 V	6.72%	Pass
Channel 6	2.700000 V	2.700110 V	2.698660 V	2.701340 V	41.00 e-06 V	0,000110 V	8.21%	Pass
Channel 7	2.700000 V	2.700100 V	2.698660 V	2.701340 V	41.00 e-06 V	0,000100 V	7.46%	Pass
Channel 8	2.700000 V	2.700080 V	2.698660 V	2.701340 V	41.00 e-06 V	0,000080 V	5.97%	Pass
Test @ -2.7V DC								
Channel 1	-2.700000 V	-2.700080 V	-2.701340 V	-2.698660 V	41.00 e-06 V	-0,000080 V	5.97%	Pass
Channel 2	-2.700000 V	-2.700070 V	-2.701340 V	-2.698660 V	41.00 e-06 V	-0,000070 V	5.22%	Pass
Channel 3	-2.700000 V	-2.700020 V	-2.701340 V	-2.698660 V	41.00 e-06 V	-0,000020 V	1.49%	Pass
Channel 4	-2.700000 V	-2.699990 V	-2.701340 V	-2.698660 V	41.00 e-06 V	0,000010 V	0.746%	Pass
Channel 5	-2.700000 V	-2.699980 V	-2.701340 V	-2.698660 V	41.00 e-06 V	0,000020 V	1.49%	Pass
Channel 6	-2.700000 V	-2.699967 V	-2.701340 V	-2.698660 V	41.00 e-06 V	0,000033 V	2.49%	Pass
Channel 7	-2.700000 V	-2.699940 V	-2.701340 V	-2.698660 V	41.00 e-06 V	0,000060 V	4.48%	Pass
Channel 8	-2.700000 V	-2.699980 V	-2.701340 V	-2.698660 V	41.00 e-06 V	0,000020 V	1.49%	Pass
Test @ 2.1V_RMS @ 20Hz								
Channel 1	2.100000 V	2.100090 V	2.098780 V	2.101220 V	840.00 e-06 V	0,000090 V	7.38%	Pass
Channel 2	2.100000 V	2.100100 V	2.098780 V	2.101220 V	840.00 e-06 V	0,000100 V	8.2%	Pass
Channel 3	2.100000 V	2.100097 V	2.098780 V	2.101220 V	840.00 e-06 V	0,000097 V	7.92%	Pass
Channel 4	2.100000 V	2.100060 V	2.098780 V	2.101220 V	840.00 e-06 V	0,000060 V	4.92%	Pass
Channel 5	2.100000 V	2.100030 V	2.098780 V	2.101220 V	840.00 e-06 V	0,000030 V	2.46%	Pass
Channel 6	2.100000 V	2.100040 V	2.098780 V	2.101220 V	840.00 e-06 V	0,000040 V	3.28%	Pass
Channel 7	2.100000 V	2.100020 V	2.098780 V	2.101220 V	840.00 e-06 V	0,000020 V	1.64%	Pass
Channel 8	2.100000 V	2.100030 V	2.098780 V	2.101220 V	840.00 e-06 V	0,000030 V	2.46%	Pass
Test @ 2.1V_RMS @ 50Hz								
Channel 1	2.100000 V	2.100100 V	2.098780 V	2.101220 V	470.00 e-06 V	0,000100 V	8.2%	Pass
Channel 2	2.100000 V	2.100120 V	2.098780 V	2.101220 V	470.00 e-06 V	0,000120 V	9.84%	Pass
Channel 3	2.100000 V	2.100110 V	2.098780 V	2.101220 V	470.00 e-06 V	0,000110 V	9.02%	Pass
Channel 4	2.100000 V	2.100070 V	2.098780 V	2.101220 V	470.00 e-06 V	0,000070 V	5.74%	Pass
Channel 5	2.100000 V	2.100050 V	2.098780 V	2.101220 V	470.00 e-06 V	0,000050 V	4.1%	Pass
Channel 6	2.100000 V	2.100050 V	2.098780 V	2.101220 V	470.00 e-06 V	0,000050 V	4.1%	Pass
Channel 7	2.100000 V	2.100030 V	2.098780 V	2.101220 V	470.00 e-06 V	0,000030 V	2.46%	Pass
Channel 8	2.100000 V	2.100040 V	2.098780 V	2.101220 V	470.00 e-06 V	0,000040 V	3.28%	Pass
Test @ 2.1V_RMS @ 1000Hz								
Channel 1	2.100000 V	2.099927 V	2.098780 V	2.101220 V	630.00 e-06 V	-0,000073 V	6.01%	Pass
Channel 2	2.100000 V	2.099940 V	2.098780 V	2.101220 V	630.00 e-06 V	-0,000060 V	4.92%	Pass
Channel 3	2.100000 V	2.099927 V	2.098780 V	2.101220 V	630.00 e-06 V	-0,000073 V	6.01%	Pass
Channel 4	2.100000 V	2.099880 V	2.098780 V	2.101220 V	630.00 e-06 V	-0,000120 V	9.84%	Pass
Channel 5	2.100000 V	2.099870 V	2.098780 V	2.101220 V	630.00 e-06 V	-0,000130 V	10.7%	Pass
Channel 6	2.100000 V	2.099880 V	2.098780 V	2.101220 V	630.00 e-06 V	-0,000120 V	9.84%	Pass
Channel 7	2.100000 V	2.099850 V	2.098780 V	2.101220 V	630.00 e-06 V	-0,000150 V	12.3%	Pass
Channel 8	2.100000 V	2.099860 V	2.098780 V	2.101220 V	630.00 e-06 V	-0,000140 V	11.5%	Pass
Range: 10V								
################################								
Test @ 1V DC								
Channel 1	1.000000 V	1.000090 V	0.997600 V	1.002400 V	17.00 e-06 V	0,000090 V	3.75%	Pass
Channel 2	1.000000 V	1.000180 V	0.997600 V	1.002400 V	17.00 e-06 V	0,000180 V	7.5%	Pass
Channel 3	1.000000 V	1.000183 V	0.997600 V	1.002400 V	17.00 e-06 V	0,000183 V	7.64%	Pass

11. Testergebnisse / Test results

Test Description	True Value	Test Result	Lower limit	Upper limit	Exp Uncert	Error	% of Tol	Status
Channel 4	1.000000 V	1.000240 V	0.997600 V	1.002400 V	17.00 e-06 V	0,000240 V	10%	Pass
Channel 5	1.000000 V	1.000130 V	0.997600 V	1.002400 V	17.00 e-06 V	0,000130 V	5.42%	Pass
Channel 6	1.000000 V	1.000200 V	0.997600 V	1.002400 V	17.00 e-06 V	0,000200 V	8.33%	Pass
Channel 7	1.000000 V	1.000263 V	0.997600 V	1.002400 V	17.00 e-06 V	0,000263 V	11%	Pass
Channel 8	1.000000 V	1.000190 V	0.997600 V	1.002400 V	17.00 e-06 V	0,000190 V	7.92%	Pass
Test @ -1V DC								
Channel 1	-1.000000 V	-0.999987 V	-1.002400 V	-0.997600 V	17.00 e-06 V	0,000013 V	0.542%	Pass
Channel 2	-1.000000 V	-0.999916 V	-1.002400 V	-0.997600 V	17.00 e-06 V	0,000084 V	3.5%	Pass
Channel 3	-1.000000 V	-0.999925 V	-1.002400 V	-0.997600 V	17.00 e-06 V	0,000075 V	3.14%	Pass
Channel 4	-1.000000 V	-0.999861 V	-1.002400 V	-0.997600 V	17.00 e-06 V	0,000139 V	5.78%	Pass
Channel 5	-1.000000 V	-0.999930 V	-1.002400 V	-0.997600 V	17.00 e-06 V	0,000070 V	2.93%	Pass
Channel 6	-1.000000 V	-0.999841 V	-1.002400 V	-0.997600 V	17.00 e-06 V	0,000159 V	6.61%	Pass
Channel 7	-1.000000 V	-0.999819 V	-1.002400 V	-0.997600 V	17.00 e-06 V	0,000181 V	7.53%	Pass
Channel 8	-1.000000 V	-0.999928 V	-1.002400 V	-0.997600 V	17.00 e-06 V	0,000072 V	2.99%	Pass
Test @ 3V DC								
Channel 1	3.000000 V	3.000153 V	2.997200 V	3.002800 V	45.00 e-06 V	0,000153 V	5.48%	Pass
Channel 2	3.000000 V	3.000243 V	2.997200 V	3.002800 V	45.00 e-06 V	0,000243 V	8.69%	Pass
Channel 3	3.000000 V	3.000280 V	2.997200 V	3.002800 V	45.00 e-06 V	0,000280 V	10%	Pass
Channel 4	3.000000 V	3.000333 V	2.997200 V	3.002800 V	45.00 e-06 V	0,000333 V	11.9%	Pass
Channel 5	3.000000 V	3.000190 V	2.997200 V	3.002800 V	45.00 e-06 V	0,000190 V	6.79%	Pass
Channel 6	3.000000 V	3.000240 V	2.997200 V	3.002800 V	45.00 e-06 V	0,000240 V	8.57%	Pass
Channel 7	3.000000 V	3.000350 V	2.997200 V	3.002800 V	45.00 e-06 V	0,000350 V	12.5%	Pass
Channel 8	3.000000 V	3.000277 V	2.997200 V	3.002800 V	45.00 e-06 V	0,000277 V	9.88%	Pass
Test @ 5V DC								
Channel 1	5.000000 V	5.000250 V	4.996800 V	5.003200 V	110.00 e-06 V	0,000250 V	7.81%	Pass
Channel 2	5.000000 V	5.000327 V	4.996800 V	5.003200 V	110.00 e-06 V	0,000327 V	10.2%	Pass
Channel 3	5.000000 V	5.000377 V	4.996800 V	5.003200 V	110.00 e-06 V	0,000377 V	11.8%	Pass
Channel 4	5.000000 V	5.000427 V	4.996800 V	5.003200 V	110.00 e-06 V	0,000427 V	13.3%	Pass
Channel 5	5.000000 V	5.000243 V	4.996800 V	5.003200 V	110.00 e-06 V	0,000243 V	7.6%	Pass
Channel 6	5.000000 V	5.000293 V	4.996800 V	5.003200 V	110.00 e-06 V	0,000293 V	9.17%	Pass
Channel 7	5.000000 V	5.000430 V	4.996800 V	5.003200 V	110.00 e-06 V	0,000430 V	13.4%	Pass
Channel 8	5.000000 V	5.000393 V	4.996800 V	5.003200 V	110.00 e-06 V	0,000393 V	12.3%	Pass
Test @ -5V DC								
Channel 1	-5.000000 V	-5.000157 V	-5.003200 V	-4.996800 V	110.00 e-06 V	-0,000157 V	4.9%	Pass
Channel 2	-5.000000 V	-5.000103 V	-5.003200 V	-4.996800 V	110.00 e-06 V	-0,000103 V	3.23%	Pass
Channel 3	-5.000000 V	-5.000143 V	-5.003200 V	-4.996800 V	110.00 e-06 V	-0,000143 V	4.48%	Pass
Channel 4	-5.000000 V	-5.000070 V	-5.003200 V	-4.996800 V	110.00 e-06 V	-0,000070 V	2.19%	Pass
Channel 5	-5.000000 V	-5.000077 V	-5.003200 V	-4.996800 V	110.00 e-06 V	-0,000077 V	2.4%	Pass
Channel 6	-5.000000 V	-4.999973 V	-5.003200 V	-4.996800 V	110.00 e-06 V	0,000027 V	0.833%	Pass
Channel 7	-5.000000 V	-4.999997 V	-5.003200 V	-4.996800 V	110.00 e-06 V	0,000003 V	0.104%	Pass
Channel 8	-5.000000 V	-5.000167 V	-5.003200 V	-4.996800 V	110.00 e-06 V	-0,000167 V	5.21%	Pass
Test @ 7V DC								
Channel 1	7.000000 V	7.000307 V	6.996400 V	7.003600 V	140.00 e-06 V	0,000307 V	8.52%	Pass
Channel 2	7.000000 V	7.000410 V	6.996400 V	7.003600 V	140.00 e-06 V	0,000410 V	11.4%	Pass
Channel 3	7.000000 V	7.000483 V	6.996400 V	7.003600 V	140.00 e-06 V	0,000483 V	13.4%	Pass
Channel 4	7.000000 V	7.000537 V	6.996400 V	7.003600 V	140.00 e-06 V	0,000537 V	14.9%	Pass
Channel 5	7.000000 V	7.000330 V	6.996400 V	7.003600 V	140.00 e-06 V	0,000330 V	9.17%	Pass
Channel 6	7.000000 V	7.000343 V	6.996400 V	7.003600 V	140.00 e-06 V	0,000343 V	9.54%	Pass
Channel 7	7.000000 V	7.000520 V	6.996400 V	7.003600 V	140.00 e-06 V	0,000520 V	14.4%	Pass
Channel 8	7.000000 V	7.000520 V	6.996400 V	7.003600 V	140.00 e-06 V	0,000520 V	14.4%	Pass
Test @ 9V DC								
Channel 1	9.000000 V	9.000410 V	8.996000 V	9.004000 V	170.00 e-06 V	0,000410 V	10.3%	Pass
Channel 2	9.000000 V	9.000517 V	8.996000 V	9.004000 V	170.00 e-06 V	0,000517 V	12.9%	Pass
Channel 3	9.000000 V	9.000623 V	8.996000 V	9.004000 V	170.00 e-06 V	0,000623 V	15.6%	Pass
Channel 4	9.000000 V	9.000653 V	8.996000 V	9.004000 V	170.00 e-06 V	0,000653 V	16.3%	Pass
Channel 5	9.000000 V	9.000430 V	8.996000 V	9.004000 V	170.00 e-06 V	0,000430 V	10.7%	Pass
Channel 6	9.000000 V	9.000420 V	8.996000 V	9.004000 V	170.00 e-06 V	0,000420 V	10.5%	Pass
Channel 7	9.000000 V	9.000643 V	8.996000 V	9.004000 V	170.00 e-06 V	0,000643 V	16.1%	Pass
Channel 8	9.000000 V	9.000653 V	8.996000 V	9.004000 V	170.00 e-06 V	0,000653 V	16.3%	Pass
Test @ -9V DC								
Channel 1	-9.000000 V	-9.000377 V	-9.004000 V	-8.996000 V	170.00 e-06 V	-0,000377 V	9.42%	Pass
Channel 2	-9.000000 V	-9.000310 V	-9.004000 V	-8.996000 V	170.00 e-06 V	-0,000310 V	7.75%	Pass
Channel 3	-9.000000 V	-9.000433 V	-9.004000 V	-8.996000 V	170.00 e-06 V	-0,000433 V	10.8%	Pass
Channel 4	-9.000000 V	-9.000347 V	-9.004000 V	-8.996000 V	170.00 e-06 V	-0,000347 V	8.67%	Pass
Channel 5	-9.000000 V	-9.000277 V	-9.004000 V	-8.996000 V	170.00 e-06 V	-0,000277 V	6.92%	Pass
Channel 6	-9.000000 V	-9.000127 V	-9.004000 V	-8.996000 V	170.00 e-06 V	-0,000127 V	3.17%	Pass
Channel 7	-9.000000 V	-9.000250 V	-9.004000 V	-8.996000 V	170.00 e-06 V	-0,000250 V	6.25%	Pass
Channel 8	-9.000000 V	-9.000453 V	-9.004000 V	-8.996000 V	170.00 e-06 V	-0,000453 V	11.3%	Pass
Test @ 1V_RMS @ 20Hz								
Channel 1	1.000000 V	1.000040 V	0.997600 V	1.002400 V	430.00 e-06 V	0,000040 V	1.67%	Pass
Channel 2	1.000000 V	1.000040 V	0.997600 V	1.002400 V	430.00 e-06 V	0,000040 V	1.67%	Pass
Channel 3	1.000000 V	1.000057 V	0.997600 V	1.002400 V	430.00 e-06 V	0,000057 V	2.36%	Pass

11. Testergebnisse / Test results

Test Description	True Value	Test Result	Lower limit	Upper limit	Exp Uncert	Error	% of Tol	Status
Channel 4	1.000000 V	1.000050 V	0.997600 V	1.002400 V	430.00 e-06 V	0,000050 V	2.08%	Pass
Channel 5	1.000000 V	1.000033 V	0.997600 V	1.002400 V	430.00 e-06 V	0,000033 V	1.39%	Pass
Channel 6	1.000000 V	1.000030 V	0.997600 V	1.002400 V	430.00 e-06 V	0,000030 V	1.25%	Pass
Channel 7	1.000000 V	1.000040 V	0.997600 V	1.002400 V	430.00 e-06 V	0,000040 V	1.67%	Pass
Channel 8	1.000000 V	1.000060 V	0.997600 V	1.002400 V	430.00 e-06 V	0,000060 V	2.5%	Pass
Test @ 1V RMS @ 50Hz								
Channel 1	1.000000 V	1.000053 V	0.997600 V	1.002400 V	260.00 e-06 V	0,000053 V	2.22%	Pass
Channel 2	1.000000 V	1.000060 V	0.997600 V	1.002400 V	260.00 e-06 V	0,000060 V	2.5%	Pass
Channel 3	1.000000 V	1.000067 V	0.997600 V	1.002400 V	260.00 e-06 V	0,000067 V	2.78%	Pass
Channel 4	1.000000 V	1.000060 V	0.997600 V	1.002400 V	260.00 e-06 V	0,000060 V	2.5%	Pass
Channel 5	1.000000 V	1.000050 V	0.997600 V	1.002400 V	260.00 e-06 V	0,000050 V	2.08%	Pass
Channel 6	1.000000 V	1.000040 V	0.997600 V	1.002400 V	260.00 e-06 V	0,000040 V	1.67%	Pass
Channel 7	1.000000 V	1.000050 V	0.997600 V	1.002400 V	260.00 e-06 V	0,000050 V	2.08%	Pass
Channel 8	1.000000 V	1.000070 V	0.997600 V	1.002400 V	260.00 e-06 V	0,000070 V	2.92%	Pass
Test @ 1V RMS @ 1000Hz								
Channel 1	1.000000 V	0.999971 V	0.997600 V	1.002400 V	260.00 e-06 V	-0,000029 V	1.22%	Pass
Channel 2	1.000000 V	0.999974 V	0.997600 V	1.002400 V	260.00 e-06 V	-0,000026 V	1.08%	Pass
Channel 3	1.000000 V	0.999980 V	0.997600 V	1.002400 V	260.00 e-06 V	-0,000020 V	0.819%	Pass
Channel 4	1.000000 V	0.999970 V	0.997600 V	1.002400 V	260.00 e-06 V	-0,000030 V	1.24%	Pass
Channel 5	1.000000 V	0.999962 V	0.997600 V	1.002400 V	260.00 e-06 V	-0,000038 V	1.57%	Pass
Channel 6	1.000000 V	0.999957 V	0.997600 V	1.002400 V	260.00 e-06 V	-0,000043 V	1.79%	Pass
Channel 7	1.000000 V	0.999970 V	0.997600 V	1.002400 V	260.00 e-06 V	-0,000030 V	1.24%	Pass
Channel 8	1.000000 V	0.999986 V	0.997600 V	1.002400 V	260.00 e-06 V	-0,000014 V	0.583%	Pass
Test @ 5V RMS @ 20Hz								
Channel 1	5.000000 V	5.000340 V	4.996800 V	5.003200 V	3.20 e-03 V	0,000340 V	10.6%	Pass
Channel 2	5.000000 V	5.000360 V	4.996800 V	5.003200 V	3.20 e-03 V	0,000360 V	11.2%	Pass
Channel 3	5.000000 V	5.000410 V	4.996800 V	5.003200 V	3.20 e-03 V	0,000410 V	12.8%	Pass
Channel 4	5.000000 V	5.000383 V	4.996800 V	5.003200 V	3.20 e-03 V	0,000383 V	12%	Pass
Channel 5	5.000000 V	5.000317 V	4.996800 V	5.003200 V	3.20 e-03 V	0,000317 V	9.9%	Pass
Channel 6	5.000000 V	5.000297 V	4.996800 V	5.003200 V	3.20 e-03 V	0,000297 V	9.27%	Pass
Channel 7	5.000000 V	5.000390 V	4.996800 V	5.003200 V	3.20 e-03 V	0,000390 V	12.2%	Pass
Channel 8	5.000000 V	5.000450 V	4.996800 V	5.003200 V	3.20 e-03 V	0,000450 V	14.1%	Pass
Test @ 5V RMS @ 50Hz								
Channel 1	5.000000 V	5.000367 V	4.996800 V	5.003200 V	1.70 e-03 V	0,000367 V	11.5%	Pass
Channel 2	5.000000 V	5.000393 V	4.996800 V	5.003200 V	1.70 e-03 V	0,000393 V	12.3%	Pass
Channel 3	5.000000 V	5.000467 V	4.996800 V	5.003200 V	1.70 e-03 V	0,000467 V	14.6%	Pass
Channel 4	5.000000 V	5.000430 V	4.996800 V	5.003200 V	1.70 e-03 V	0,000430 V	13.4%	Pass
Channel 5	5.000000 V	5.000370 V	4.996800 V	5.003200 V	1.70 e-03 V	0,000370 V	11.6%	Pass
Channel 6	5.000000 V	5.000353 V	4.996800 V	5.003200 V	1.70 e-03 V	0,000353 V	11%	Pass
Channel 7	5.000000 V	5.000423 V	4.996800 V	5.003200 V	1.70 e-03 V	0,000423 V	13.2%	Pass
Channel 8	5.000000 V	5.000483 V	4.996800 V	5.003200 V	1.70 e-03 V	0,000483 V	15.1%	Pass
Test @ 5V RMS @ 1000Hz								
Channel 1	5.000000 V	4.999727 V	4.996800 V	5.003200 V	1.70 e-03 V	-0,000273 V	8.54%	Pass
Channel 2	5.000000 V	4.999760 V	4.996800 V	5.003200 V	1.70 e-03 V	-0,000240 V	7.5%	Pass
Channel 3	5.000000 V	4.999803 V	4.996800 V	5.003200 V	1.70 e-03 V	-0,000197 V	6.15%	Pass
Channel 4	5.000000 V	4.999760 V	4.996800 V	5.003200 V	1.70 e-03 V	-0,000240 V	7.5%	Pass
Channel 5	5.000000 V	4.999713 V	4.996800 V	5.003200 V	1.70 e-03 V	-0,000287 V	8.96%	Pass
Channel 6	5.000000 V	4.999687 V	4.996800 V	5.003200 V	1.70 e-03 V	-0,000313 V	9.79%	Pass
Channel 7	5.000000 V	4.999743 V	4.996800 V	5.003200 V	1.70 e-03 V	-0,000257 V	8.02%	Pass
Channel 8	5.000000 V	4.999810 V	4.996800 V	5.003200 V	1.70 e-03 V	-0,000190 V	5.94%	Pass
Test @ 7V RMS @ 20Hz								
Channel 1	7.000000 V	7.000503 V	6.996400 V	7.003600 V	4.10 e-03 V	0,000503 V	14%	Pass
Channel 2	7.000000 V	7.000507 V	6.996400 V	7.003600 V	4.10 e-03 V	0,000507 V	14.1%	Pass
Channel 3	7.000000 V	7.000577 V	6.996400 V	7.003600 V	4.10 e-03 V	0,000577 V	16%	Pass
Channel 4	7.000000 V	7.000540 V	6.996400 V	7.003600 V	4.10 e-03 V	0,000540 V	15%	Pass
Channel 5	7.000000 V	7.000417 V	6.996400 V	7.003600 V	4.10 e-03 V	0,000417 V	11.6%	Pass
Channel 6	7.000000 V	7.000363 V	6.996400 V	7.003600 V	4.10 e-03 V	0,000363 V	10.1%	Pass
Channel 7	7.000000 V	7.000470 V	6.996400 V	7.003600 V	4.10 e-03 V	0,000470 V	13.1%	Pass
Channel 8	7.000000 V	7.000570 V	6.996400 V	7.003600 V	4.10 e-03 V	0,000570 V	15.8%	Pass
Test @ 7V_RMS @ 50Hz								
Channel 1	7.000000 V	7.000590 V	6.996400 V	7.003600 V	2.10 e-03 V	0,000590 V	16.4%	Pass
Channel 2	7.000000 V	7.000623 V	6.996400 V	7.003600 V	2.10 e-03 V	0,000623 V	17.3%	Pass
Channel 3	7.000000 V	7.000693 V	6.996400 V	7.003600 V	2.10 e-03 V	0,000693 V	19.3%	Pass
Channel 4	7.000000 V	7.000657 V	6.996400 V	7.003600 V	2.10 e-03 V	0,000657 V	18.2%	Pass
Channel 5	7.000000 V	7.000557 V	6.996400 V	7.003600 V	2.10 e-03 V	0,000557 V	15.5%	Pass
Channel 6	7.000000 V	7.000500 V	6.996400 V	7.003600 V	2.10 e-03 V	0,000500 V	13.9%	Pass
Channel 7	7.000000 V	7.000610 V	6.996400 V	7.003600 V	2.10 e-03 V	0,000610 V	16.9%	Pass
Channel 8	7.000000 V	7.000707 V	6.996400 V	7.003600 V	2.10 e-03 V	0,000707 V	19.6%	Pass
Test @ 7V_RMS @ 1000Hz								
Channel 1	7.000000 V	6.999710 V	6.996400 V	7.003600 V	2.10 e-03 V	-0,000290 V	8.06%	Pass
Channel 2	7.000000 V	6.999757 V	6.996400 V	7.003600 V	2.10 e-03 V	-0,000243 V	6.76%	Pass
Channel 3	7.000000 V	6.999827 V	6.996400 V	7.003600 V	2.10 e-03 V	-0,000173 V	4.81%	Pass

11. Testergebnisse / Test results

Test Description	True Value	Test Result	Lower limit	Upper limit	Exp Uncert	Error	% of Tol	Status
Channel 4	7.000000 V	6.999760 V	6.996400 V	7.003600 V	2.10 e-03 V	-0,000240 V	6.67%	Pass
Channel 5	7.000000 V	6.999713 V	6.996400 V	7.003600 V	2.10 e-03 V	-0,000287 V	7.96%	Pass
Channel 6	7.000000 V	6.999657 V	6.996400 V	7.003600 V	2.10 e-03 V	-0,000343 V	9.54%	Pass
Channel 7	7.000000 V	6.999740 V	6.996400 V	7.003600 V	2.10 e-03 V	-0,000260 V	7.22%	Pass
Channel 8	7.000000 V	6.999867 V	6.996400 V	7.003600 V	2.10 e-03 V	-0,000133 V	3.7%	Pass
Test @ 7V RMS @ 10000Hz								
Channel 1	7.000000 V	6.989467 V	6.962800 V	7.037200 V	2.10 e-03 V	-0,010533 V	28.3%	Pass
Channel 2	7.000000 V	6.989817 V	6.962800 V	7.037200 V	2.10 e-03 V	-0,010183 V	27.4%	Pass
Channel 3	7.000000 V	6.989707 V	6.962800 V	7.037200 V	2.10 e-03 V	-0,010293 V	27.7%	Pass
Channel 4	7.000000 V	6.989523 V	6.962800 V	7.037200 V	2.10 e-03 V	-0,010477 V	28.2%	Pass
Channel 5	7.000000 V	6.989600 V	6.962800 V	7.037200 V	2.10 e-03 V	-0,010400 V	28%	Pass
Channel 6	7.000000 V	6.989570 V	6.962800 V	7.037200 V	2.10 e-03 V	-0,010430 V	28%	Pass
Channel 7	7.000000 V	6.989707 V	6.962800 V	7.037200 V	2.10 e-03 V	-0,010293 V	27.7%	Pass
Channel 8	7.000000 V	6.989660 V	6.962800 V	7.037200 V	2.10 e-03 V	-0,010340 V	27.8%	Pass
Test @ 7V RMS @ 20000Hz								
Channel 1	7.000000 V	6.981850 V	6.927800 V	7.072200 V	2.80 e-03 V	-0,018150 V	25.1%	Pass
Channel 2	7.000000 V	6.983183 V	6.927800 V	7.072200 V	2.80 e-03 V	-0,016817 V	23.3%	Pass
Channel 3	7.000000 V	6.982663 V	6.927800 V	7.072200 V	2.80 e-03 V	-0,017337 V	24%	Pass
Channel 4	7.000000 V	6.982407 V	6.927800 V	7.072200 V	2.80 e-03 V	-0,017593 V	24.4%	Pass
Channel 5	7.000000 V	6.982763 V	6.927800 V	7.072200 V	2.80 e-03 V	-0,017237 V	23.9%	Pass
Channel 6	7.000000 V	6.982550 V	6.927800 V	7.072200 V	2.80 e-03 V	-0,017450 V	24.2%	Pass
Channel 7	7.000000 V	6.982840 V	6.927800 V	7.072200 V	2.80 e-03 V	-0,017160 V	23.8%	Pass
Channel 8	7.000000 V	6.982293 V	6.927800 V	7.072200 V	2.80 e-03 V	-0,017707 V	24.5%	Pass
Range: 30V								
##############################								
Test @ 3V DC								
Channel 1	3.000000 V	2.999953 V	2.993200 V	3.006800 V	45.00 e-06 V	-0,000047 V	0.686%	Pass
Channel 2	3.000000 V	3.000307 V	2.993200 V	3.006800 V	45.00 e-06 V	0,000307 V	4.51%	Pass
Channel 3	3.000000 V	3.001503 V	2.993200 V	3.006800 V	45.00 e-06 V	0,001503 V	22.1%	Pass
Channel 4	3.000000 V	3.001927 V	2.993200 V	3.006800 V	45.00 e-06 V	0,001927 V	28.3%	Pass
Channel 5	3.000000 V	3.000440 V	2.993200 V	3.006800 V	45.00 e-06 V	0,000440 V	6.47%	Pass
Channel 6	3.000000 V	3.000833 V	2.993200 V	3.006800 V	45.00 e-06 V	0,000833 V	12.3%	Pass
Channel 7	3.000000 V	3.000330 V	2.993200 V	3.006800 V	45.00 e-06 V	0,000330 V	4.85%	Pass
Channel 8	3.000000 V	3.000400 V	2.993200 V	3.006800 V	45.00 e-06 V	0,000400 V	5.88%	Pass
Test @ 15V DC								
Channel 1	15.000000 V	14.999800 V	14.990800 V	15.009200 V	270.00 e-06 V	-0,000200 V	2.17%	Pass
Channel 2	15.000000 V	14.999900 V	14.990800 V	15.009200 V	270.00 e-06 V	-0,000100 V	1.09%	Pass
Channel 3	15.000000 V	15.001100 V	14.990800 V	15.009200 V	270.00 e-06 V	0,001100 V	12%	Pass
Channel 4	15.000000 V	15.001200 V	14.990800 V	15.009200 V	270.00 e-06 V	0,001200 V	13%	Pass
Channel 5	15.000000 V	14.999200 V	14.990800 V	15.009200 V	270.00 e-06 V	-0,000800 V	8.7%	Pass
Channel 6	15.000000 V	14.999800 V	14.990800 V	15.009200 V	270.00 e-06 V	-0,000200 V	2.17%	Pass
Channel 7	15.000000 V	14.999500 V	14.990800 V	15.009200 V	270.00 e-06 V	-0,000500 V	5.43%	Pass
Channel 8	15.000000 V	14.999600 V	14.990800 V	15.009200 V	270.00 e-06 V	-0,000400 V	4.35%	Pass
Test @ 27V DC								
Channel 1	27.000000 V	26.999200 V	26.988400 V	27.011600 V	460.00 e-06 V	-0,000800 V	6.9%	Pass
Channel 2	27.000000 V	26.998700 V	26.988400 V	27.011600 V	460.00 e-06 V	-0,001300 V	11.2%	Pass
Channel 3	27.000000 V	27.000200 V	26.988400 V	27.011600 V	460.00 e-06 V	0,000200 V	1.72%	Pass
Channel 4	27.000000 V	26.999900 V	26.988400 V	27.011600 V	460.00 e-06 V	-0,000100 V	0.862%	Pass
Channel 5	27.000000 V	26.997400 V	26.988400 V	27.011600 V	460.00 e-06 V	-0,002600 V	22.4%	Pass
Channel 6	27.000000 V	26.998200 V	26.988400 V	27.011600 V	460.00 e-06 V	-0,001800 V	15.5%	Pass
Channel 7	27.000000 V	26.998100 V	26.988400 V	27.011600 V	460.00 e-06 V	-0,001900 V	16.4%	Pass
Channel 8	27.000000 V	26.998300 V	26.988400 V	27.011600 V	460.00 e-06 V	-0,001700 V	14.7%	Pass
Test @ -27V DC								
Channel 1	-27.000000 V	-26.999500 V	-27.011600 V	-26.988400 V	460.00 e-06 V	0,000500 V	4.31%	Pass
Channel 2	-27.000000 V	-26.997833 V	-27.011600 V	-26.988400 V	460.00 e-06 V	0,002167 V	18.7%	Pass
Channel 3	-27.000000 V	-26.997233 V	-27.011600 V	-26.988400 V	460.00 e-06 V	0,002767 V	23.9%	Pass
Channel 4	-27.000000 V	-26.996000 V	-27.011600 V	-26.988400 V	460.00 e-06 V	0,004000 V	34.5%	Pass
Channel 5	-27.000000 V	-26.996000 V	-27.011600 V	-26.988400 V	460.00 e-06 V	0,004000 V	34.5%	Pass
Channel 6	-27.000000 V	-26.996300 V	-27.011600 V	-26.988400 V	460.00 e-06 V	0,003700 V	31.9%	Pass
Channel 7	-27.000000 V	-26.997300 V	-27.011600 V	-26.988400 V	460.00 e-06 V	0,002700 V	23.3%	Pass
Channel 8	-27.000000 V	-26.997300 V	-27.011600 V	-26.988400 V	460.00 e-06 V	0,002700 V	23.3%	Pass
Test @ 21V RMS @ 20Hz								
Channel 1	21.000000 V	20.998900 V	20.989600 V	21.010400 V	10.00 e-03 V	-0,001100 V	10.6%	Pass
Channel 2	21.000000 V	20.998200 V	20.989600 V	21.010400 V	10.00 e-03 V	-0,001800 V	17.3%	Pass
Channel 3	21.000000 V	20.998400 V	20.989600 V	21.010400 V	10.00 e-03 V	-0,001600 V	15.4%	Pass
Channel 4	21.000000 V	20.997800 V	20.989600 V	21.010400 V	10.00 e-03 V	-0,002200 V	21.2%	Pass
Channel 5	21.000000 V	20.996833 V	20.989600 V	21.010400 V	10.00 e-03 V	-0,003167 V	30.4%	Pass
Channel 6	21.000000 V	20.997300 V	20.989600 V	21.010400 V	10.00 e-03 V	-0,002700 V	26%	Pass
Channel 7	21.000000 V	20.997600 V	20.989600 V	21.010400 V	10.00 e-03 V	-0,002400 V	23.1%	Pass
Channel 8	21.000000 V	20.997667 V	20.989600 V	21.010400 V	10.00 e-03 V	-0,002333 V	22.4%	Pass

11. Testergebnisse / Test results

Test Description	True Value	Test Result	Lower limit	Upper limit	Exp Uncert	Error	% of Tol	Status
Test @ 21V_RMS @ 50Hz								
Channel 1	21.000000 V	20.999100 V	20.989600 V	21.010400 V	4.70 e-03 V	-0,000900 V	8.65%	Pass
Channel 2	21.000000 V	20.998333 V	20.989600 V	21.010400 V	4.70 e-03 V	-0,001667 V	16%	Pass
Channel 3	21.000000 V	20.998600 V	20.989600 V	21.010400 V	4.70 e-03 V	-0,001400 V	13.5%	Pass
Channel 4	21.000000 V	20.998000 V	20.989600 V	21.010400 V	4.70 e-03 V	-0,002000 V	19.2%	Pass
Channel 5	21.000000 V	20.997067 V	20.989600 V	21.010400 V	4.70 e-03 V	-0,002933 V	28.2%	Pass
Channel 6	21.000000 V	20.997433 V	20.989600 V	21.010400 V	4.70 e-03 V	-0,002567 V	24.7%	Pass
Channel 7	21.000000 V	20.997800 V	20.989600 V	21.010400 V	4.70 e-03 V	-0,002200 V	21.2%	Pass
Channel 8	21.000000 V	20.997867 V	20.989600 V	21.010400 V	4.70 e-03 V	-0,002133 V	20.5%	Pass
Test @ 21V_RMS @ 1000Hz								
Channel 1	21.000000 V	20.996300 V	20.989600 V	21.010400 V	8.00 e-03 V	-0,003700 V	35.6%	Pass
Channel 2	21.000000 V	20.996300 V	20.989600 V	21.010400 V	8.00 e-03 V	-0,003700 V	35.6%	Pass
Channel 3	21.000000 V	20.997300 V	20.989600 V	21.010400 V	8.00 e-03 V	-0,002700 V	26%	Pass
Channel 4	21.000000 V	20.996267 V	20.989600 V	21.010400 V	8.00 e-03 V	-0,003733 V	35.9%	Pass
Channel 5	21.000000 V	20.996200 V	20.989600 V	21.010400 V	8.00 e-03 V	-0,003800 V	36.5%	Pass
Channel 6	21.000000 V	20.995900 V	20.989600 V	21.010400 V	8.00 e-03 V	-0,004100 V	39.4%	Pass
Channel 7	21.000000 V	20.996000 V	20.989600 V	21.010400 V	8.00 e-03 V	-0,004000 V	38.5%	Pass
Channel 8	21.000000 V	20.995700 V	20.989600 V	21.010400 V	8.00 e-03 V	-0,004300 V	41.3%	Pass
Range: 100V								
################################								
Test @ 10V DC								
Channel 1	10.000000 V	10.000600 V	9.977800 V	10.022200 V	190.00 e-06 V	0,000600 V	2.7%	Pass
Channel 2	10.000000 V	10.001000 V	9.977800 V	10.022200 V	190.00 e-06 V	0,001000 V	4.5%	Pass
Channel 3	10.000000 V	10.003100 V	9.977800 V	10.022200 V	190.00 e-06 V	0,003100 V	14%	Pass
Channel 4	10.000000 V	10.002000 V	9.977800 V	10.022200 V	190.00 e-06 V	0,002000 V	9.01%	Pass
Channel 5	10.000000 V	10.000633 V	9.977800 V	10.022200 V	190.00 e-06 V	0,000633 V	2.85%	Pass
Channel 6	10.000000 V	10.001200 V	9.977800 V	10.022200 V	190.00 e-06 V	0,001200 V	5.41%	Pass
Channel 7	10.000000 V	10.001400 V	9.977800 V	10.022200 V	190.00 e-06 V	0,001400 V	6.31%	Pass
Channel 8	10.000000 V	10.000267 V	9.977800 V	10.022200 V	190.00 e-06 V	0,000267 V	1.2%	Pass
Test @ 50V DC								
Channel 1	50.000000 V	50.000033 V	49.969800 V	50.030200 V	1.50 e-03 V	0,000033 V	0.11%	Pass
Channel 2	50.000000 V	49.999200 V	49.969800 V	50.030200 V	1.50 e-03 V	-0,000800 V	2.65%	Pass
Channel 3	50.000000 V	50.001167 V	49.969800 V	50.030200 V	1.50 e-03 V	0,001167 V	3.86%	Pass
Channel 4	50.000000 V	49.998600 V	49.969800 V	50.030200 V	1.50 e-03 V	-0,001400 V	4.64%	Pass
Channel 5	50.000000 V	49.995667 V	49.969800 V	50.030200 V	1.50 e-03 V	-0,004333 V	14.3%	Pass
Channel 6	50.000000 V	49.996967 V	49.969800 V	50.030200 V	1.50 e-03 V	-0,003033 V	10%	Pass
Channel 7	50.000000 V	49.996500 V	49.969800 V	50.030200 V	1.50 e-03 V	-0,003500 V	11.6%	Pass
Channel 8	50.000000 V	49.995467 V	49.969800 V	50.030200 V	1.50 e-03 V	-0,004533 V	15%	Pass
Test @ 90V DC								
Channel 1	90.000000 V	89.999900 V	89.961800 V	90.038200 V	2.40 e-03 V	-0,000100 V	0.262%	Pass
Channel 2	90.000000 V	89.997767 V	89.961800 V	90.038200 V	2.40 e-03 V	-0,002233 V	5.85%	Pass
Channel 3	90.000000 V	89.999733 V	89.961800 V	90.038200 V	2.40 e-03 V	-0,000267 V	0.698%	Pass
Channel 4	90.000000 V	89.996133 V	89.961800 V	90.038200 V	2.40 e-03 V	-0,003867 V	10.1%	Pass
Channel 5	90.000000 V	89.991400 V	89.961800 V	90.038200 V	2.40 e-03 V	-0,008600 V	22.5%	Pass
Channel 6	90.000000 V	89.992833 V	89.961800 V	90.038200 V	2.40 e-03 V	-0,007167 V	18.8%	Pass
Channel 7	90.000000 V	89.992500 V	89.961800 V	90.038200 V	2.40 e-03 V	-0,007500 V	19.6%	Pass
Channel 8	90.000000 V	89.990967 V	89.961800 V	90.038200 V	2.40 e-03 V	-0,009033 V	23.6%	Pass
Test @ -90V DC								
Channel 1	-90.000000 V	-89.998200 V	-90.038200 V	-89.961800 V	2.40 e-03 V	0,001800 V	4.71%	Pass
Channel 2	-90.000000 V	-89.994267 V	-90.038200 V	-89.961800 V	2.40 e-03 V	0,005733 V	15%	Pass
Channel 3	-90.000000 V	-89.992533 V	-90.038200 V	-89.961800 V	2.40 e-03 V	0,007467 V	19.5%	Pass
Channel 4	-90.000000 V	-89.990200 V	-90.038200 V	-89.961800 V	2.40 e-03 V	0,009800 V	25.7%	Pass
Channel 5	-90.000000 V	-89.987367 V	-90.038200 V	-89.961800 V	2.40 e-03 V	0,012633 V	33.1%	Pass
Channel 6	-90.000000 V	-89.987933 V	-90.038200 V	-89.961800 V	2.40 e-03 V	0,012067 V	31.6%	Pass
Channel 7	-90.000000 V	-89.987267 V	-90.038200 V	-89.961800 V	2.40 e-03 V	0,012733 V	33.3%	Pass
Channel 8	-90.000000 V	-89.987400 V	-90.038200 V	-89.961800 V	2.40 e-03 V	0,012600 V	33%	Pass
Test @ 70V_RMS @ 50Hz								
Channel 1	70.000000 V	70.024700 V	69.965800 V	70.034200 V	19.00 e-03 V	0,024700 V	72.2%	Pass
Channel 2	70.000000 V	70.022533 V	69.965800 V	70.034200 V	19.00 e-03 V	0,022533 V	65.9%	Pass
Channel 3	70.000000 V	70.022900 V	69.965800 V	70.034200 V	19.00 e-03 V	0,022900 V	67%	Pass
Channel 4	70.000000 V	70.020500 V	69.965800 V	70.034200 V	19.00 e-03 V	0,020500 V	59.9%	Pass
Channel 5	70.000000 V	70.017600 V	69.965800 V	70.034200 V	19.00 e-03 V	0,017600 V	51.5%	Pass
Channel 6	70.000000 V	70.018333 V	69.965800 V	70.034200 V	19.00 e-03 V	0,018333 V	53.6%	Pass
Channel 7	70.000000 V	70.017800 V	69.965800 V	70.034200 V	19.00 e-03 V	0,017800 V	52%	Pass
Channel 8	70.000000 V	70.017367 V	69.965800 V	70.034200 V	19.00 e-03 V	0,017367 V	50.8%	Pass
Test @ 70V_RMS @ 1000Hz								
Channel 1	70.000000 V	69.998833 V	69.965800 V	70.034200 V	21.00 e-03 V	-0,001167 V	3.41%	Pass
Channel 2	70.000000 V	69.998567 V	69.965800 V	70.034200 V	21.00 e-03 V	-0,001433 V	4.19%	Pass
Channel 3	70.000000 V	70.000533 V	69.965800 V	70.034200 V	21.00 e-03 V	0,000533 V	1.56%	Pass
Channel 4	70.000000 V	69.996467 V	69.965800 V	70.034200 V	21.00 e-03 V	-0,003533 V	10.3%	Pass
Channel 5	70.000000 V	69.996233 V	69.965800 V	70.034200 V	21.00 e-03 V	-0,003767 V	11%	Pass

11. Testergebnisse / Test results

Test Description	True Value	Test Result	Lower limit	Upper limit	Exp Uncert	Error	% of Tol	Status	
Channel 6	70.000000 V	69.995267 V	69.965800 V	70.034200 V	21.00 e-03 V	-0,004733 V	13.8%	Pass	
Channel 7	70.000000 V	69.994100 V	69.965800 V	70.034200 V	21.00 e-03 V	-0,005900 V	17.3%	Pass	
Channel 8	70.000000 V	69.993133 V	69.965800 V	70.034200 V	21.00 e-03 V	-0,006867 V	20.1%	Pass	
Non-Accredited functional board tests									
SNR Test									
0V @ 10V Range; 100kS/sec									
107.00 dB @ CH1	107.00 dB	107.30 dB	105.00 dB	210.00 dB		0,30 dB	0.29%	Pass	(1)
107.00 dB @ CH2	107.00 dB	107.31 dB	105.00 dB	210.00 dB		0,31 dB	0.301%	Pass	(1)
107.00 dB @ CH3	107.00 dB	107.24 dB	105.00 dB	210.00 dB		0,24 dB	0.233%	Pass	(1)
107.00 dB @ CH4	107.00 dB	107.24 dB	105.00 dB	210.00 dB		0,24 dB	0.237%	Pass	(1)
107.00 dB @ CH5	107.00 dB	107.36 dB	105.00 dB	210.00 dB		0,36 dB	0.348%	Pass	(1)
107.00 dB @ CH6	107.00 dB	107.32 dB	105.00 dB	210.00 dB		0,32 dB	0.311%	Pass	(1)
107.00 dB @ CH7	107.00 dB	107.36 dB	105.00 dB	210.00 dB		0,36 dB	0.345%	Pass	(1)
107.00 dB @ CH8	107.00 dB	107.45 dB	105.00 dB	210.00 dB		0,45 dB	0.442%	Pass	(1)
Low pass filter test									
290kHz Filter									
-0.55 dB @ CH1	-0.55 dB	-0.48 dB	-0.70 dB	-0.40 dB		0,07 dB	47.2%	Pass	(1)
-0.55 dB @ CH2	-0.55 dB	-0.47 dB	-0.70 dB	-0.40 dB		0,08 dB	56.3%	Pass	(1)
-0.55 dB @ CH3	-0.55 dB	-0.47 dB	-0.70 dB	-0.40 dB		0,08 dB	52.2%	Pass	(1)
-0.55 dB @ CH4	-0.55 dB	-0.47 dB	-0.70 dB	-0.40 dB		0,08 dB	51.2%	Pass	(1)
-0.55 dB @ CH5	-0.55 dB	-0.47 dB	-0.70 dB	-0.40 dB		0,08 dB	53.9%	Pass	(1)
-0.55 dB @ CH6	-0.55 dB	-0.47 dB	-0.70 dB	-0.40 dB		0,08 dB	52.4%	Pass	(1)
-0.55 dB @ CH7	-0.55 dB	-0.47 dB	-0.70 dB	-0.40 dB		0,08 dB	53.5%	Pass	(1)
-0.55 dB @ CH8	-0.55 dB	-0.48 dB	-0.70 dB	-0.40 dB		0,07 dB	49.4%	Pass	(1)
29kHz Filter									
-3.00 dB @ CH1	-3.00 dB	-2.96 dB	-4.00 dB	-2.00 dB		0,04 dB	3.81%	Pass	(1)
-3.00 dB @ CH2	-3.00 dB	-3.01 dB	-4.00 dB	-2.00 dB		-0,01 dB	1.42%	Pass	(1)
-3.00 dB @ CH3	-3.00 dB	-2.81 dB	-4.00 dB	-2.00 dB		0,19 dB	18.6%	Pass	(1)
-3.00 dB @ CH4	-3.00 dB	-3.04 dB	-4.00 dB	-2.00 dB		-0,04 dB	3.86%	Pass	(1)
-3.00 dB @ CH5	-3.00 dB	-3.15 dB	-4.00 dB	-2.00 dB		-0,15 dB	15.1%	Pass	(1)
-3.00 dB @ CH6	-3.00 dB	-2.96 dB	-4.00 dB	-2.00 dB		0,04 dB	4.2%	Pass	(1)
-3.00 dB @ CH7	-3.00 dB	-3.05 dB	-4.00 dB	-2.00 dB		-0,05 dB	4.79%	Pass	(1)
-3.00 dB @ CH8	-3.00 dB	-3.05 dB	-4.00 dB	-2.00 dB		-0,05 dB	5.33%	Pass	(1)
2.9kHz Filter									
-3.00 dB @ CH1	-3.00 dB	-2.74 dB	-4.00 dB	-2.00 dB		0,26 dB	25.9%	Pass	(1)
-3.00 dB @ CH2	-3.00 dB	-2.85 dB	-4.00 dB	-2.00 dB		0,15 dB	15.3%	Pass	(1)
-3.00 dB @ CH3	-3.00 dB	-2.75 dB	-4.00 dB	-2.00 dB		0,25 dB	24.5%	Pass	(1)
-3.00 dB @ CH4	-3.00 dB	-2.86 dB	-4.00 dB	-2.00 dB		0,14 dB	13.5%	Pass	(1)
-3.00 dB @ CH5	-3.00 dB	-2.70 dB	-4.00 dB	-2.00 dB		0,30 dB	30.1%	Pass	(1)
-3.00 dB @ CH6	-3.00 dB	-2.80 dB	-4.00 dB	-2.00 dB		0,20 dB	20.1%	Pass	(1)
-3.00 dB @ CH7	-3.00 dB	-2.81 dB	-4.00 dB	-2.00 dB		0,19 dB	19.2%	Pass	(1)
-3.00 dB @ CH8	-3.00 dB	-2.93 dB	-4.00 dB	-2.00 dB		0,07 dB	6.53%	Pass	(1)
0.16Hz High pass filter									
0.16Hz Channel 1								Pass	(1)
0.16Hz Channel 2								Pass	(1)
0.16Hz Channel 3								Pass	(1)
0.16Hz Channel 4								Pass	(1)
0.16Hz Channel 5								Pass	(1)
0.16Hz Channel 6								Pass	(1)
0.16Hz Channel 7								Pass	(1)
0.16Hz Channel 8								Pass	(1)
0.5Hz High pass filter									
0.5Hz Channel 1								Pass	(1)
0.5Hz Channel 2								Pass	(1)
0.5Hz Channel 3								Pass	(1)
0.5Hz Channel 4								Pass	(1)
0.5Hz Channel 5								Pass	(1)
0.5Hz Channel 6								Pass	(1)
0.5Hz Channel 7								Pass	(1)
0.5Hz Channel 8								Pass	(1)
3.4Hz High pass filter									
3.4Hz Channel 1								Pass	(1)
3.4Hz Channel 2								Pass	(1)
3.4Hz Channel 3								Pass	(1)
3.4Hz Channel 4								Pass	(1)
3.4Hz Channel 5								Pass	(1)
3.4Hz Channel 6								Pass	(1)
3.4Hz Channel 7								Pass	(1)
3.4Hz Channel 8								Pass	(1)
10Hz High pass filter									
10Hz Channel 1								Pass	(1)
10Hz Channel 2								Pass	(1)
10Hz Channel 3								Pass	(1)
10Hz Channel 4								Pass	(1)
10Hz Channel 5								Pass	(1)

11. Testergebnisse / Test results

Test Description	True Value	Test Result	Lower limit	Upper limit	Exp Uncert	Error	% of Tol	Status	
10Hz Channel 6								Pass	(1)
10Hz Channel 7								Pass	(1)
10Hz Channel 8								Pass	(1)
Inter Channel Phase Mismatch test at 10kHz signal									
0.000 ° @ CH1	0.000 °	0.000 °	-0.280 °	0.280 °		0,000 °	0%	Pass	(1)
0.000 ° @ CH2	0.000 °	0.025 °	-0.280 °	0.280 °		0,025 °	8.99%	Pass	(1)
0.000 ° @ CH3	0.000 °	-0.023 °	-0.280 °	0.280 °		-0,023 °	8.16%	Pass	(1)
0.000 ° @ CH4	0.000 °	-0.032 °	-0.280 °	0.280 °		-0,032 °	11.5%	Pass	(1)
0.000 ° @ CH5	0.000 °	0.017 °	-0.280 °	0.280 °		0,017 °	6.23%	Pass	(1)
0.000 ° @ CH6	0.000 °	-0.031 °	-0.280 °	0.280 °		-0,031 °	11%	Pass	(1)
0.000 ° @ CH7	0.000 °	-0.023 °	-0.280 °	0.280 °		-0,023 °	8.15%	Pass	(1)
0.000 ° @ CH8	0.000 °	-0.029 °	-0.280 °	0.280 °		-0,029 °	10.3%	Pass	(1)
CMRR test at 50Hz									
80.0 dB @ CH1	80.0 dB	101.8 dB	80.0 dB	200.0 dB		21,8 dB	18.2%	Pass	(1)
80.0 dB @ CH2	80.0 dB	101.0 dB	80.0 dB	200.0 dB		21,0 dB	17.5%	Pass	(1)
80.0 dB @ CH3	80.0 dB	103.1 dB	80.0 dB	200.0 dB		23,1 dB	19.3%	Pass	(1)
80.0 dB @ CH4	80.0 dB	92.8 dB	80.0 dB	200.0 dB		12,8 dB	10.7%	Pass	(1)
80.0 dB @ CH5	80.0 dB	103.7 dB	80.0 dB	200.0 dB		23,7 dB	19.7%	Pass	(1)
80.0 dB @ CH6	80.0 dB	97.8 dB	80.0 dB	200.0 dB		17,8 dB	14.8%	Pass	(1)
80.0 dB @ CH7	80.0 dB	101.8 dB	80.0 dB	200.0 dB		21,8 dB	18.2%	Pass	(1)
80.0 dB @ CH8	80.0 dB	102.5 dB	80.0 dB	200.0 dB		22,5 dB	18.8%	Pass	(1)
CMRR test at 1kHz									
70.0 dB @ CH1	70.0 dB	96.1 dB	70.0 dB	200.0 dB		26,1 dB	20%	Pass	(1)
70.0 dB @ CH2	70.0 dB	96.5 dB	70.0 dB	200.0 dB		26,5 dB	20.4%	Pass	(1)
70.0 dB @ CH3	70.0 dB	95.8 dB	70.0 dB	200.0 dB		25,8 dB	19.9%	Pass	(1)
70.0 dB @ CH4	70.0 dB	90.5 dB	70.0 dB	200.0 dB		20,5 dB	15.7%	Pass	(1)
70.0 dB @ CH5	70.0 dB	96.4 dB	70.0 dB	200.0 dB		26,4 dB	20.3%	Pass	(1)
70.0 dB @ CH6	70.0 dB	95.4 dB	70.0 dB	200.0 dB		25,4 dB	19.5%	Pass	(1)
70.0 dB @ CH7	70.0 dB	94.8 dB	70.0 dB	200.0 dB		24,8 dB	19.1%	Pass	(1)
70.0 dB @ CH8	70.0 dB	97.0 dB	70.0 dB	200.0 dB		27,0 dB	20.7%	Pass	(1)
Internal Reference Check including AUX Port function									
Internal Reference 9.5V								Pass	(1)
Internal Reference 2.85V								Pass	(1)
Internal Reference 0.95V								Pass	(1)
Internal Reference 0.28V								Pass	(1)
Internal Reference 0.095V								Pass	(1)
Internal Reference 0.0285V								Pass	(1)
Internal Reference 0.0095V								Pass	(1)
Internal Reference 0.0028V								Pass	(1)
Hardware Check (Selftest)								Pass	(1)
40 °C @ BoardTemp	40.000000 °C	31.500000 °C	25.000000 °C	55.000000 °C		-8,500000 °C	56.7%	Pass	(1)

Ende des Kalibrierscheines / *End of Calibration Certificate*