DEWETRON GmbH

Parkring 4
8074 Grambach
Austria

AAT2660125
Akkreditierung Austria 0632
25.02.2026

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-MULTI
Herstellernummer *Serial number*	A02001D3
Auftraggeber *Customer*	
Kalibriernummer *Order number*	AAT2660125
Anzahl der Seiten des Kalibrierscheines *Number of pages of the certificate*	13
Datum der Kalibrierung *Date of calibration*	25.02.2026

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*
	25.02.2026	Stefan Strohmaier	Nandor Nagy

1. Kalibriergegenstand / *Calibration object*

8 Channel Data Acquisition DEWETRON TRION-2402-MULTI, S/N: A02001D3

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-MULTI_Akkred, Rev. 2.10

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:*	22,4 °C
Rel. Luftfeuchte / *Rel. humidity:*	36,3 % 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 01	5522A CALIBRATOR	3904901	81072025	10-Jul-2025	9-Jul-2026
Agilent 3458A 02	3458A Multimeter	2823A24893	70082025	21-Aug-2025	21-Aug-2026

11. Testergebnisse / Test results

Test Description	True Value	Test Result	Lower limit	Upper limit	Exp Uncert	Error	% of Tol	Status
Current Temperature of DMM and Calibrator DMM: 40.8°C Calibrator: 25.53°C								
Kalibrierverfahren / calibration method: CAL-KV-01_Gleichspannung_v1.0_2024-07-04.xlsx-02 CAL-KV-01_Gleichspannung_v1.0_2024-07-04.xlsx-05 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								
API Version: 8.0.0.9068 Module Type: TRION-2402-MULTI-8-L0B Firmware Version: A24 Model Version: 1.1 XML Version: SVN 1664789294 Board temperature: 44.75degC SN of Module: A02001D3								
Excitation Voltage Calibration Accuracy: 0.03% of Value ±1.5mV								
Channel 1	0.5000 V	0.499504 V	0.498350 V	0.501650 V	6.90 e-06 V	-0,000496 V	30.1%	Pass
Channel 1	1.0000 V	0.999852 V	0.998200 V	1.001800 V	11.00 e-06 V	-0,000148 V	8.22%	Pass
Channel 1	2.0000 V	1.999795 V	1.997900 V	2.002100 V	21.00 e-06 V	-0,000205 V	9.75%	Pass
Channel 1	5.0000 V	4.999638 V	4.997000 V	5.003000 V	46.00 e-06 V	-0,000362 V	12.1%	Pass
Channel 1	10.0000 V	9.999646 V	9.995500 V	10.004500 V	87.00 e-06 V	-0,000354 V	7.86%	Pass
Channel 1	12.0000 V	11.998911 V	11.994900 V	12.005100 V	170.00 e-06 V	-0,001089 V	21.4%	Pass
Channel 1	24.0000 V	23.999270 V	23.991300 V	24.008700 V	300.00 e-06 V	-0,000730 V	8.39%	Pass
Channel 2	0.5000 V	0.499785 V	0.498350 V	0.501650 V	6.90 e-06 V	-0,000215 V	13%	Pass
Channel 2	1.0000 V	1.000152 V	0.998200 V	1.001800 V	11.00 e-06 V	0,000152 V	8.47%	Pass
Channel 2	2.0000 V	1.999901 V	1.997900 V	2.002100 V	21.00 e-06 V	-0,000099 V	4.72%	Pass
Channel 2	5.0000 V	4.999652 V	4.997000 V	5.003000 V	46.00 e-06 V	-0,000348 V	11.6%	Pass
Channel 2	10.0000 V	9.999609 V	9.995500 V	10.004500 V	87.00 e-06 V	-0,000391 V	8.69%	Pass
Channel 2	12.0000 V	11.998927 V	11.994900 V	12.005100 V	170.00 e-06 V	-0,001073 V	21%	Pass
Channel 2	24.0000 V	23.998322 V	23.991300 V	24.008700 V	300.00 e-06 V	-0,001678 V	19.3%	Pass
Channel 3	0.5000 V	0.499085 V	0.498350 V	0.501650 V	6.90 e-06 V	-0,000915 V	55.5%	Pass
Channel 3	1.0000 V	0.999796 V	0.998200 V	1.001800 V	11.00 e-06 V	-0,000204 V	11.3%	Pass
Channel 3	2.0000 V	1.999554 V	1.997900 V	2.002100 V	21.00 e-06 V	-0,000446 V	21.3%	Pass
Channel 3	5.0000 V	4.999836 V	4.997000 V	5.003000 V	46.00 e-06 V	-0,000164 V	5.46%	Pass
Channel 3	10.0000 V	9.999442 V	9.995500 V	10.004500 V	87.00 e-06 V	-0,000558 V	12.4%	Pass
Channel 3	12.0000 V	11.997744 V	11.994900 V	12.005100 V	170.00 e-06 V	-0,002256 V	44.2%	Pass
Channel 3	24.0000 V	23.999567 V	23.991300 V	24.008700 V	300.00 e-06 V	-0,000433 V	4.97%	Pass
Channel 4	0.5000 V	0.499637 V	0.498350 V	0.501650 V	6.90 e-06 V	-0,000363 V	22%	Pass
Channel 4	1.0000 V	1.000306 V	0.998200 V	1.001800 V	11.00 e-06 V	0,000306 V	17%	Pass
Channel 4	2.0000 V	2.000148 V	1.997900 V	2.002100 V	21.00 e-06 V	0,000148 V	7.04%	Pass
Channel 4	5.0000 V	4.999944 V	4.997000 V	5.003000 V	46.00 e-06 V	-0,000056 V	1.86%	Pass
Channel 4	10.0000 V	9.999624 V	9.995500 V	10.004500 V	87.00 e-06 V	-0,000376 V	8.36%	Pass
Channel 4	12.0000 V	11.999142 V	11.994900 V	12.005100 V	170.00 e-06 V	-0,000858 V	16.8%	Pass
Channel 4	24.0000 V	23.998276 V	23.991300 V	24.008700 V	300.00 e-06 V	-0,001724 V	19.8%	Pass
Channel 5	0.5000 V	0.499149 V	0.498350 V	0.501650 V	6.90 e-06 V	-0,000851 V	51.6%	Pass
Channel 5	1.0000 V	0.999653 V	0.998200 V	1.001800 V	11.00 e-06 V	-0,000347 V	19.3%	Pass
Channel 5	2.0000 V	1.999571 V	1.997900 V	2.002100 V	21.00 e-06 V	-0,000429 V	20.4%	Pass
Channel 5	5.0000 V	4.999402 V	4.997000 V	5.003000 V	46.00 e-06 V	-0,000598 V	19.9%	Pass
Channel 5	10.0000 V	9.999465 V	9.995500 V	10.004500 V	87.00 e-06 V	-0,000535 V	11.9%	Pass
Channel 5	12.0000 V	11.998688 V	11.994900 V	12.005100 V	170.00 e-06 V	-0,001312 V	25.7%	Pass
Channel 5	24.0000 V	23.998976 V	23.991300 V	24.008700 V	300.00 e-06 V	-0,001024 V	11.8%	Pass
Channel 6	0.5000 V	0.499675 V	0.498350 V	0.501650 V	6.90 e-06 V	-0,000325 V	19.7%	Pass
Channel 6	1.0000 V	0.999820 V	0.998200 V	1.001800 V	11.00 e-06 V	-0,000180 V	9.99%	Pass
Channel 6	2.0000 V	1.999544 V	1.997900 V	2.002100 V	21.00 e-06 V	-0,000456 V	21.7%	Pass
Channel 6	5.0000 V	4.999545 V	4.997000 V	5.003000 V	46.00 e-06 V	-0,000455 V	15.2%	Pass
Channel 6	10.0000 V	9.999321 V	9.995500 V	10.004500 V	87.00 e-06 V	-0,000679 V	15.1%	Pass
Channel 6	12.0000 V	11.997340 V	11.994900 V	12.005100 V	170.00 e-06 V	-0,002660 V	52.1%	Pass
Channel 6	24.0000 V	23.998152 V	23.991300 V	24.008700 V	300.00 e-06 V	-0,001848 V	21.2%	Pass
Channel 7	0.5000 V	0.499425 V	0.498350 V	0.501650 V	6.90 e-06 V	-0,000575 V	34.9%	Pass
Channel 7	1.0000 V	0.999477 V	0.998200 V	1.001800 V	11.00 e-06 V	-0,000523 V	29%	Pass
Channel 7	2.0000 V	1.999697 V	1.997900 V	2.002100 V	21.00 e-06 V	-0,000303 V	14.4%	Pass
Channel 7	5.0000 V	4.999639 V	4.997000 V	5.003000 V	46.00 e-06 V	-0,000361 V	12%	Pass
Channel 7	10.0000 V	9.999489 V	9.995500 V	10.004500 V	87.00 e-06 V	-0,000511 V	11.3%	Pass
Channel 7	12.0000 V	11.998169 V	11.994900 V	12.005100 V	170.00 e-06 V	-0,001831 V	35.9%	Pass
Channel 7	24.0000 V	23.999227 V	23.991300 V	24.008700 V	300.00 e-06 V	-0,000773 V	8.88%	Pass
Channel 8	0.5000 V	0.499061 V	0.498350 V	0.501650 V	6.90 e-06 V	-0,000939 V	56.9%	Pass
Channel 8	1.0000 V	0.999549 V	0.998200 V	1.001800 V	11.00 e-06 V	-0,000451 V	25%	Pass
Channel 8	2.0000 V	1.999434 V	1.997900 V	2.002100 V	21.00 e-06 V	-0,000566 V	27%	Pass
Channel 8	5.0000 V	4.999322 V	4.997000 V	5.003000 V	46.00 e-06 V	-0,000678 V	22.6%	Pass

11. Testergebnisse / Test results

Test Description	True Value	Test Result	Lower limit	Upper limit	Exp Uncert	Error	% of Tol	Status
Channel 8	10.0000 V	9.999015 V	9.995500 V	10.004500 V	87.00 e-06 V	-0,000985 V	21.9%	Pass
Channel 8	12.0000 V	11.998168 V	11.994900 V	12.005100 V	170.00 e-06 V	-0,001832 V	35.9%	Pass
Channel 8	24.0000 V	23.997633 V	23.991300 V	24.008700 V	300.00 e-06 V	-0,002367 V	27.2%	Pass

Excitation Current Calibration
Accuracy up to 5mA : 0.05% of Value ±2uA
Accuracy above 5mA : 2.00% of Value ±5uA

Channel 1	0.2000mA	0.199483 mA	0.197900 mA	0.202100 mA	14.00 e-06 mA	-0,000517 mA	24.6%	Pass
Channel 1	1.0000mA	1.000023 mA	0.997500 mA	1.002500 mA	42.00 e-06 mA	0,000023 mA	0.909%	Pass
Channel 1	5.0000mA	5.000260 mA	4.995500 mA	5.004500 mA	240.00 e-06 mA	0,000260 mA	5.79%	Pass
Channel 1	20.0000mA	20.000326 mA	19.595000 mA	20.405000 mA	1.80 e-03 mA	0,000326 mA	0.0805%	Pass
Channel 2	0.2000mA	0.200149 mA	0.197900 mA	0.202100 mA	14.00 e-06 mA	0,000149 mA	7.1%	Pass
Channel 2	1.0000mA	0.999922 mA	0.997500 mA	1.002500 mA	42.00 e-06 mA	-0,000078 mA	3.1%	Pass
Channel 2	5.0000mA	4.999935 mA	4.995500 mA	5.004500 mA	240.00 e-06 mA	-0,000065 mA	1.44%	Pass
Channel 2	20.0000mA	19.982991 mA	19.595000 mA	20.405000 mA	1.80 e-03 mA	-0,017009 mA	4.2%	Pass
Channel 3	0.2000mA	0.199620 mA	0.197900 mA	0.202100 mA	14.00 e-06 mA	-0,000380 mA	18.1%	Pass
Channel 3	1.0000mA	0.999911 mA	0.997500 mA	1.002500 mA	42.00 e-06 mA	-0,000089 mA	3.55%	Pass
Channel 3	5.0000mA	5.000010 mA	4.995500 mA	5.004500 mA	240.00 e-06 mA	0,000010 mA	0.232%	Pass
Channel 3	20.0000mA	19.990913 mA	19.595000 mA	20.405000 mA	1.80 e-03 mA	-0,009087 mA	2.24%	Pass
Channel 4	0.2000mA	0.199483 mA	0.197900 mA	0.202100 mA	14.00 e-06 mA	-0,000517 mA	24.6%	Pass
Channel 4	1.0000mA	1.000023 mA	0.997500 mA	1.002500 mA	42.00 e-06 mA	0,000023 mA	0.909%	Pass
Channel 4	5.0000mA	5.000260 mA	4.995500 mA	5.004500 mA	240.00 e-06 mA	0,000260 mA	5.79%	Pass
Channel 4	20.0000mA	20.000326 mA	19.595000 mA	20.405000 mA	1.80 e-03 mA	0,000326 mA	0.0805%	Pass
Channel 5	0.2000mA	0.199550 mA	0.197900 mA	0.202100 mA	14.00 e-06 mA	-0,000450 mA	21.4%	Pass
Channel 5	1.0000mA	0.999909 mA	0.997500 mA	1.002500 mA	42.00 e-06 mA	-0,000091 mA	3.66%	Pass
Channel 5	5.0000mA	5.000191 mA	4.995500 mA	5.004500 mA	240.00 e-06 mA	0,000191 mA	4.23%	Pass
Channel 5	20.0000mA	20.003013 mA	19.595000 mA	20.405000 mA	1.80 e-03 mA	0,003013 mA	0.744%	Pass
Channel 6	0.2000mA	0.199947 mA	0.197900 mA	0.202100 mA	14.00 e-06 mA	-0,000053 mA	2.52%	Pass
Channel 6	1.0000mA	1.000030 mA	0.997500 mA	1.002500 mA	42.00 e-06 mA	0,000030 mA	1.18%	Pass
Channel 6	5.0000mA	5.000217 mA	4.995500 mA	5.004500 mA	240.00 e-06 mA	0,000217 mA	4.83%	Pass
Channel 6	20.0000mA	19.992779 mA	19.595000 mA	20.405000 mA	1.80 e-03 mA	-0,007221 mA	1.78%	Pass
Channel 7	0.2000mA	0.200601 mA	0.197900 mA	0.202100 mA	14.00 e-06 mA	0,000601 mA	28.6%	Pass
Channel 7	1.0000mA	1.000069 mA	0.997500 mA	1.002500 mA	42.00 e-06 mA	0,000069 mA	2.76%	Pass
Channel 7	5.0000mA	5.000104 mA	4.995500 mA	5.004500 mA	240.00 e-06 mA	0,000104 mA	2.3%	Pass
Channel 7	20.0000mA	20.014650 mA	19.595000 mA	20.405000 mA	1.80 e-03 mA	0,014650 mA	3.62%	Pass
Channel 8	0.2000mA	0.199391 mA	0.197900 mA	0.202100 mA	14.00 e-06 mA	-0,000609 mA	29%	Pass
Channel 8	1.0000mA	0.999888 mA	0.997500 mA	1.002500 mA	42.00 e-06 mA	-0,000112 mA	4.46%	Pass
Channel 8	5.0000mA	5.000054 mA	4.995500 mA	5.004500 mA	240.00 e-06 mA	0,000054 mA	1.21%	Pass
Channel 8	20.0000mA	20.009416 mA	19.595000 mA	20.405000 mA	1.80 e-03 mA	0,009416 mA	2.32%	Pass

DC Accuracy:
0.02% of reading +/-0.02% of Range +/-20uV

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
SampleRate for all other Tests: 50kS/s

Range: 0.1V
################################

Test @ 0V DC

Channel 1	0.000000 V	0.000001 V	-0.000040 V	0.000040 V	3.40 e-06 V	0,000001 V	3.46%	Pass
Channel 2	0.000000 V	-0.000002 V	-0.000040 V	0.000040 V	3.40 e-06 V	-0,000002 V	4.53%	Pass
Channel 3	0.000000 V	-0.000001 V	-0.000040 V	0.000040 V	3.40 e-06 V	-0,000001 V	3.17%	Pass
Channel 4	0.000000 V	-0.000002 V	-0.000040 V	0.000040 V	3.40 e-06 V	-0,000002 V	5.66%	Pass
Channel 5	0.000000 V	-0.000001 V	-0.000040 V	0.000040 V	3.40 e-06 V	-0,000001 V	2.96%	Pass
Channel 6	0.000000 V	-0.000001 V	-0.000040 V	0.000040 V	3.40 e-06 V	-0,000001 V	3.71%	Pass
Channel 7	0.000000 V	-0.000003 V	-0.000040 V	0.000040 V	3.40 e-06 V	-0,000003 V	7.34%	Pass
Channel 8	0.000000 V	-0.000001 V	-0.000040 V	0.000040 V	3.40 e-06 V	-0,000001 V	2.77%	Pass

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	0.968%	Pass
Channel 2	0.010000 V	0.009997 V	0.009958 V	0.010042 V	3.50 e-06 V	-0,000003 V	6.8%	Pass
Channel 3	0.010000 V	0.009997 V	0.009958 V	0.010042 V	3.50 e-06 V	-0,000003 V	7.69%	Pass
Channel 4	0.010000 V	0.009998 V	0.009958 V	0.010042 V	3.50 e-06 V	-0,000002 V	5.9%	Pass
Channel 5	0.010000 V	0.009997 V	0.009958 V	0.010042 V	3.50 e-06 V	-0,000003 V	6.45%	Pass
Channel 6	0.010000 V	0.009997 V	0.009958 V	0.010042 V	3.50 e-06 V	-0,000003 V	6.89%	Pass
Channel 7	0.010000 V	0.009996 V	0.009958 V	0.010042 V	3.50 e-06 V	-0,000004 V	10.2%	Pass
Channel 8	0.010000 V	0.009998 V	0.009958 V	0.010042 V	3.50 e-06 V	-0,000002 V	4.68%	Pass

11. Testergebnisse / Test results

Test Description	True Value	Test Result	Lower limit	Upper limit	Exp Uncert	Error	% of Tol	Status
Test @ 0.05V DC								
Channel 1	0.050000 V	0.049993 V	0.049950 V	0.050050 V	3.80 e-06 V	-0,000007 V	14.5%	Pass
Channel 2	0.050000 V	0.049992 V	0.049950 V	0.050050 V	3.80 e-06 V	-0,000008 V	16.3%	Pass
Channel 3	0.050000 V	0.049989 V	0.049950 V	0.050050 V	3.80 e-06 V	-0,000011 V	21.6%	Pass
Channel 4	0.050000 V	0.049996 V	0.049950 V	0.050050 V	3.80 e-06 V	-0,000004 V	8.47%	Pass
Channel 5	0.050000 V	0.049991 V	0.049950 V	0.050050 V	3.80 e-06 V	-0,000009 V	18.1%	Pass
Channel 6	0.050000 V	0.049991 V	0.049950 V	0.050050 V	3.80 e-06 V	-0,000009 V	18.1%	Pass
Channel 7	0.050000 V	0.049990 V	0.049950 V	0.050050 V	3.80 e-06 V	-0,000010 V	20.8%	Pass
Channel 8	0.050000 V	0.049994 V	0.049950 V	0.050050 V	3.80 e-06 V	-0,000006 V	11.7%	Pass
Test @ 0.09V DC								
Channel 1	0.090000 V	0.089985 V	0.089942 V	0.090058 V	4.10 e-06 V	-0,000015 V	25%	Pass
Channel 2	0.090000 V	0.089987 V	0.089942 V	0.090058 V	4.10 e-06 V	-0,000013 V	23%	Pass
Channel 3	0.090000 V	0.089982 V	0.089942 V	0.090058 V	4.10 e-06 V	-0,000018 V	31.9%	Pass
Channel 4	0.090000 V	0.089994 V	0.089942 V	0.090058 V	4.10 e-06 V	-0,000006 V	9.77%	Pass
Channel 5	0.090000 V	0.089984 V	0.089942 V	0.090058 V	4.10 e-06 V	-0,000016 V	26.9%	Pass
Channel 6	0.090000 V	0.089985 V	0.089942 V	0.090058 V	4.10 e-06 V	-0,000015 V	26.7%	Pass
Channel 7	0.090000 V	0.089984 V	0.089942 V	0.090058 V	4.10 e-06 V	-0,000016 V	28%	Pass
Channel 8	0.090000 V	0.089990 V	0.089942 V	0.090058 V	4.10 e-06 V	-0,000010 V	17.4%	Pass
Test @ -0.09V DC								
Channel 1	-0.090000 V	-0.089981 V	-0.090058 V	-0.089942 V	4.10 e-06 V	0,000019 V	32.6%	Pass
Channel 2	-0.090000 V	-0.089990 V	-0.090058 V	-0.089942 V	4.10 e-06 V	0,000010 V	17.7%	Pass
Channel 3	-0.090000 V	-0.089984 V	-0.090058 V	-0.089942 V	4.10 e-06 V	0,000016 V	27.9%	Pass
Channel 4	-0.090000 V	-0.089999 V	-0.090058 V	-0.089942 V	4.10 e-06 V	0,000001 V	2.01%	Pass
Channel 5	-0.090000 V	-0.089986 V	-0.090058 V	-0.089942 V	4.10 e-06 V	0,000014 V	23.9%	Pass
Channel 6	-0.090000 V	-0.089987 V	-0.090058 V	-0.089942 V	4.10 e-06 V	0,000013 V	22.6%	Pass
Channel 7	-0.090000 V	-0.089989 V	-0.090058 V	-0.089942 V	4.10 e-06 V	0,000011 V	19.4%	Pass
Channel 8	-0.090000 V	-0.089992 V	-0.090058 V	-0.089942 V	4.10 e-06 V	0,000008 V	13.7%	Pass
Test @ 0.01V RMS @ 1000Hz								
Channel 1	0.010000 V	0.009997 V	0.009958 V	0.010042 V	10.00 e-06 V	-0,000003 V	8.26%	Pass
Channel 2	0.010000 V	0.009997 V	0.009958 V	0.010042 V	10.00 e-06 V	-0,000003 V	6.77%	Pass
Channel 3	0.010000 V	0.009996 V	0.009958 V	0.010042 V	10.00 e-06 V	-0,000004 V	8.44%	Pass
Channel 4	0.010000 V	0.009998 V	0.009958 V	0.010042 V	10.00 e-06 V	-0,000002 V	4.59%	Pass
Channel 5	0.010000 V	0.009997 V	0.009958 V	0.010042 V	10.00 e-06 V	-0,000003 V	7.46%	Pass
Channel 6	0.010000 V	0.009997 V	0.009958 V	0.010042 V	10.00 e-06 V	-0,000003 V	7.31%	Pass
Channel 7	0.010000 V	0.009997 V	0.009958 V	0.010042 V	10.00 e-06 V	-0,000003 V	7.23%	Pass
Channel 8	0.010000 V	0.009997 V	0.009958 V	0.010042 V	10.00 e-06 V	-0,000003 V	5.98%	Pass
Test @ 0.07V RMS @ 20Hz								
Channel 1	0.070000 V	0.069986 V	0.069946 V	0.070054 V	37.00 e-06 V	-0,000014 V	26.4%	Pass
Channel 2	0.070000 V	0.069990 V	0.069946 V	0.070054 V	37.00 e-06 V	-0,000010 V	18.6%	Pass
Channel 3	0.070000 V	0.069985 V	0.069946 V	0.070054 V	37.00 e-06 V	-0,000015 V	27.3%	Pass
Channel 4	0.070000 V	0.069996 V	0.069946 V	0.070054 V	37.00 e-06 V	-0,000004 V	6.67%	Pass
Channel 5	0.070000 V	0.069988 V	0.069946 V	0.070054 V	37.00 e-06 V	-0,000012 V	22.5%	Pass
Channel 6	0.070000 V	0.069988 V	0.069946 V	0.070054 V	37.00 e-06 V	-0,000012 V	21.7%	Pass
Channel 7	0.070000 V	0.069989 V	0.069946 V	0.070054 V	37.00 e-06 V	-0,000011 V	21%	Pass
Channel 8	0.070000 V	0.069992 V	0.069946 V	0.070054 V	37.00 e-06 V	-0,000008 V	14.6%	Pass
Test @ 0.07V RMS @ 50Hz								
Channel 1	0.070000 V	0.069986 V	0.069946 V	0.070054 V	23.00 e-06 V	-0,000014 V	25.9%	Pass
Channel 2	0.070000 V	0.069990 V	0.069946 V	0.070054 V	23.00 e-06 V	-0,000010 V	18.4%	Pass
Channel 3	0.070000 V	0.069985 V	0.069946 V	0.070054 V	23.00 e-06 V	-0,000015 V	27.5%	Pass
Channel 4	0.070000 V	0.069996 V	0.069946 V	0.070054 V	23.00 e-06 V	-0,000004 V	6.6%	Pass
Channel 5	0.070000 V	0.069988 V	0.069946 V	0.070054 V	23.00 e-06 V	-0,000012 V	23%	Pass
Channel 6	0.070000 V	0.069988 V	0.069946 V	0.070054 V	23.00 e-06 V	-0,000012 V	22.2%	Pass
Channel 7	0.070000 V	0.069988 V	0.069946 V	0.070054 V	23.00 e-06 V	-0,000012 V	21.3%	Pass
Channel 8	0.070000 V	0.069992 V	0.069946 V	0.070054 V	23.00 e-06 V	-0,000008 V	15.1%	Pass
Test @ 0.07V RMS @ 1000Hz								
Channel 1	0.070000 V	0.069977 V	0.069946 V	0.070054 V	23.00 e-06 V	-0,000023 V	43.3%	Pass
Channel 2	0.070000 V	0.069981 V	0.069946 V	0.070054 V	23.00 e-06 V	-0,000019 V	35.4%	Pass
Channel 3	0.070000 V	0.069976 V	0.069946 V	0.070054 V	23.00 e-06 V	-0,000024 V	44.4%	Pass
Channel 4	0.070000 V	0.069987 V	0.069946 V	0.070054 V	23.00 e-06 V	-0,000013 V	23.3%	Pass
Channel 5	0.070000 V	0.069979 V	0.069946 V	0.070054 V	23.00 e-06 V	-0,000021 V	38.8%	Pass
Channel 6	0.070000 V	0.069979 V	0.069946 V	0.070054 V	23.00 e-06 V	-0,000021 V	38.1%	Pass
Channel 7	0.070000 V	0.069980 V	0.069946 V	0.070054 V	23.00 e-06 V	-0,000020 V	36.9%	Pass
Channel 8	0.070000 V	0.069983 V	0.069946 V	0.070054 V	23.00 e-06 V	-0,000017 V	30.6%	Pass
Range: 0.5V								
##############################								
Test @ 0.05V DC								
Channel 1	0.050000 V	0.049998 V	0.049870 V	0.050130 V	3.80 e-06 V	-0,000002 V	1.21%	Pass
Channel 2	0.050000 V	0.049990 V	0.049870 V	0.050130 V	3.80 e-06 V	-0,000010 V	7.36%	Pass
Channel 3	0.050000 V	0.049990 V	0.049870 V	0.050130 V	3.80 e-06 V	-0,000010 V	7.92%	Pass
Channel 4	0.050000 V	0.049990 V	0.049870 V	0.050130 V	3.80 e-06 V	-0,000010 V	7.82%	Pass

11. Testergebnisse / Test results

Test Description	True Value	Test Result	Lower limit	Upper limit	Exp Uncert	Error	% of Tol	Status
Channel 5	0.050000 V	0.049994 V	0.049870 V	0.050130 V	3.80 e-06 V	-0,000006 V	4.46%	Pass
Channel 6	0.050000 V	0.049992 V	0.049870 V	0.050130 V	3.80 e-06 V	-0,000008 V	6.23%	Pass
Channel 7	0.050000 V	0.049993 V	0.049870 V	0.050130 V	3.80 e-06 V	-0,000007 V	5.08%	Pass
Channel 8	0.050000 V	0.050001 V	0.049870 V	0.050130 V	3.80 e-06 V	0,000001 V	0.769%	Pass
Test @ 0.25V DC								
Channel 1	0.250000 V	0.249976 V	0.249830 V	0.250170 V	6.40 e-06 V	-0,000024 V	14.1%	Pass
Channel 2	0.250000 V	0.249967 V	0.249830 V	0.250170 V	6.40 e-06 V	-0,000033 V	19.6%	Pass
Channel 3	0.250000 V	0.249962 V	0.249830 V	0.250170 V	6.40 e-06 V	-0,000038 V	22.4%	Pass
Channel 4	0.250000 V	0.249980 V	0.249830 V	0.250170 V	6.40 e-06 V	-0,000020 V	11.8%	Pass
Channel 5	0.250000 V	0.249971 V	0.249830 V	0.250170 V	6.40 e-06 V	-0,000029 V	17.1%	Pass
Channel 6	0.250000 V	0.249956 V	0.249830 V	0.250170 V	6.40 e-06 V	-0,000044 V	25.9%	Pass
Channel 7	0.250000 V	0.249972 V	0.249830 V	0.250170 V	6.40 e-06 V	-0,000028 V	16.5%	Pass
Channel 8	0.250000 V	0.249982 V	0.249830 V	0.250170 V	6.40 e-06 V	-0,000018 V	10.8%	Pass
Test @ 0.45V DC								
Channel 1	0.450000 V	0.449958 V	0.449790 V	0.450210 V	9.20 e-06 V	-0,000042 V	19.8%	Pass
Channel 2	0.450000 V	0.449947 V	0.449790 V	0.450210 V	9.20 e-06 V	-0,000053 V	25.2%	Pass
Channel 3	0.450000 V	0.449941 V	0.449790 V	0.450210 V	9.20 e-06 V	-0,000059 V	28.3%	Pass
Channel 4	0.450000 V	0.449974 V	0.449790 V	0.450210 V	9.20 e-06 V	-0,000026 V	12.5%	Pass
Channel 5	0.450000 V	0.449952 V	0.449790 V	0.450210 V	9.20 e-06 V	-0,000048 V	22.7%	Pass
Channel 6	0.450000 V	0.449923 V	0.449790 V	0.450210 V	9.20 e-06 V	-0,000077 V	36.8%	Pass
Channel 7	0.450000 V	0.449956 V	0.449790 V	0.450210 V	9.20 e-06 V	-0,000044 V	20.8%	Pass
Channel 8	0.450000 V	0.449964 V	0.449790 V	0.450210 V	9.20 e-06 V	-0,000036 V	17%	Pass
Test @ -0.45V DC								
Channel 1	-0.450000 V	-0.449951 V	-0.450210 V	-0.449790 V	9.20 e-06 V	0,000049 V	23.2%	Pass
Channel 2	-0.450000 V	-0.449956 V	-0.450210 V	-0.449790 V	9.20 e-06 V	0,000044 V	21.1%	Pass
Channel 3	-0.450000 V	-0.449946 V	-0.450210 V	-0.449790 V	9.20 e-06 V	0,000054 V	25.9%	Pass
Channel 4	-0.450000 V	-0.449989 V	-0.450210 V	-0.449790 V	9.20 e-06 V	0,000011 V	5.08%	Pass
Channel 5	-0.450000 V	-0.449954 V	-0.450210 V	-0.449790 V	9.20 e-06 V	0,000046 V	22.1%	Pass
Channel 6	-0.450000 V	-0.449922 V	-0.450210 V	-0.449790 V	9.20 e-06 V	0,000078 V	37.3%	Pass
Channel 7	-0.450000 V	-0.449959 V	-0.450210 V	-0.449790 V	9.20 e-06 V	0,000041 V	19.4%	Pass
Channel 8	-0.450000 V	-0.449953 V	-0.450210 V	-0.449790 V	9.20 e-06 V	0,000047 V	22.4%	Pass
Test @ 0.35V RMS @ 20Hz								
Channel 1	0.350000 V	0.349954 V	0.349810 V	0.350190 V	89.00 e-06 V	-0,000046 V	24.4%	Pass
Channel 2	0.350000 V	0.349951 V	0.349810 V	0.350190 V	89.00 e-06 V	-0,000049 V	26%	Pass
Channel 3	0.350000 V	0.349944 V	0.349810 V	0.350190 V	89.00 e-06 V	-0,000056 V	29.6%	Pass
Channel 4	0.350000 V	0.349973 V	0.349810 V	0.350190 V	89.00 e-06 V	-0,000027 V	14.2%	Pass
Channel 5	0.350000 V	0.349952 V	0.349810 V	0.350190 V	89.00 e-06 V	-0,000048 V	25.4%	Pass
Channel 6	0.350000 V	0.349928 V	0.349810 V	0.350190 V	89.00 e-06 V	-0,000072 V	37.9%	Pass
Channel 7	0.350000 V	0.349955 V	0.349810 V	0.350190 V	89.00 e-06 V	-0,000045 V	23.9%	Pass
Channel 8	0.350000 V	0.349954 V	0.349810 V	0.350190 V	89.00 e-06 V	-0,000046 V	24.2%	Pass
Test @ 0.35V RMS @ 50Hz								
Channel 1	0.350000 V	0.349980 V	0.349810 V	0.350190 V	93.00 e-06 V	-0,000020 V	10.7%	Pass
Channel 2	0.350000 V	0.349979 V	0.349810 V	0.350190 V	93.00 e-06 V	-0,000021 V	11.2%	Pass
Channel 3	0.350000 V	0.349972 V	0.349810 V	0.350190 V	93.00 e-06 V	-0,000028 V	14.7%	Pass
Channel 4	0.350000 V	0.350001 V	0.349810 V	0.350190 V	93.00 e-06 V	0,000001 V	0.702%	Pass
Channel 5	0.350000 V	0.349982 V	0.349810 V	0.350190 V	93.00 e-06 V	-0,000018 V	9.65%	Pass
Channel 6	0.350000 V	0.349960 V	0.349810 V	0.350190 V	93.00 e-06 V	-0,000040 V	21.2%	Pass
Channel 7	0.350000 V	0.349986 V	0.349810 V	0.350190 V	93.00 e-06 V	-0,000014 V	7.19%	Pass
Channel 8	0.350000 V	0.349986 V	0.349810 V	0.350190 V	93.00 e-06 V	-0,000014 V	7.37%	Pass
Test @ 0.35V RMS @ 1000Hz								
Channel 1	0.350000 V	0.349938 V	0.349810 V	0.350190 V	93.00 e-06 V	-0,000062 V	32.6%	Pass
Channel 2	0.350000 V	0.349936 V	0.349810 V	0.350190 V	93.00 e-06 V	-0,000064 V	33.7%	Pass
Channel 3	0.350000 V	0.349930 V	0.349810 V	0.350190 V	93.00 e-06 V	-0,000070 V	36.8%	Pass
Channel 4	0.350000 V	0.349960 V	0.349810 V	0.350190 V	93.00 e-06 V	-0,000040 V	21.1%	Pass
Channel 5	0.350000 V	0.349941 V	0.349810 V	0.350190 V	93.00 e-06 V	-0,000059 V	31.2%	Pass
Channel 6	0.350000 V	0.349914 V	0.349810 V	0.350190 V	93.00 e-06 V	-0,000086 V	45.1%	Pass
Channel 7	0.350000 V	0.349944 V	0.349810 V	0.350190 V	93.00 e-06 V	-0,000056 V	29.6%	Pass
Channel 8	0.350000 V	0.349943 V	0.349810 V	0.350190 V	93.00 e-06 V	-0,000057 V	30.2%	Pass
Range: 2V								
################################								
Test @ 0.2V DC								
Channel 1	0.200000 V	0.199981 V	0.199540 V	0.200460 V	6.50 e-06 V	-0,000019 V	4.13%	Pass
Channel 2	0.200000 V	0.199950 V	0.199540 V	0.200460 V	6.50 e-06 V	-0,000050 V	10.8%	Pass
Channel 3	0.200000 V	0.199961 V	0.199540 V	0.200460 V	6.50 e-06 V	-0,000039 V	8.41%	Pass
Channel 4	0.200000 V	0.199940 V	0.199540 V	0.200460 V	6.50 e-06 V	-0,000060 V	13.1%	Pass
Channel 5	0.200000 V	0.199971 V	0.199540 V	0.200460 V	6.50 e-06 V	-0,000029 V	6.38%	Pass
Channel 6	0.200000 V	0.199962 V	0.199540 V	0.200460 V	6.50 e-06 V	-0,000038 V	8.19%	Pass
Channel 7	0.200000 V	0.199966 V	0.199540 V	0.200460 V	6.50 e-06 V	-0,000034 V	7.46%	Pass
Channel 8	0.200000 V	0.200013 V	0.199540 V	0.200460 V	6.50 e-06 V	0,000013 V	2.9%	Pass
Test @ 1V DC								

11. Testergebnisse / Test results

Test Description	True Value	Test Result	Lower limit	Upper limit	Exp Uncert	Error	% of Tol	Status
Channel 1	1.000000 V	0.999922 V	0.999380 V	1.000620 V	17.00 e-06 V	-0,000078 V	12.6%	Pass
Channel 2	1.000000 V	0.999875 V	0.999380 V	1.000620 V	17.00 e-06 V	-0,000125 V	20.2%	Pass
Channel 3	1.000000 V	0.999894 V	0.999380 V	1.000620 V	17.00 e-06 V	-0,000106 V	17%	Pass
Channel 4	1.000000 V	0.999925 V	0.999380 V	1.000620 V	17.00 e-06 V	-0,000075 V	12%	Pass
Channel 5	1.000000 V	0.999916 V	0.999380 V	1.000620 V	17.00 e-06 V	-0,000084 V	13.6%	Pass
Channel 6	1.000000 V	0.999850 V	0.999380 V	1.000620 V	17.00 e-06 V	-0,000150 V	24.2%	Pass
Channel 7	1.000000 V	0.999918 V	0.999380 V	1.000620 V	17.00 e-06 V	-0,000082 V	13.3%	Pass
Channel 8	1.000000 V	0.999975 V	0.999380 V	1.000620 V	17.00 e-06 V	-0,000025 V	4.03%	Pass
Test @ 1.8V DC								
Channel 1	1.800000 V	1.799847 V	1.799220 V	1.800780 V	28.00 e-06 V	-0,000153 V	19.7%	Pass
Channel 2	1.800000 V	1.799780 V	1.799220 V	1.800780 V	28.00 e-06 V	-0,000220 V	28.2%	Pass
Channel 3	1.800000 V	1.799810 V	1.799220 V	1.800780 V	28.00 e-06 V	-0,000190 V	24.4%	Pass
Channel 4	1.800000 V	1.799890 V	1.799220 V	1.800780 V	28.00 e-06 V	-0,000110 V	14.1%	Pass
Channel 5	1.800000 V	1.799840 V	1.799220 V	1.800780 V	28.00 e-06 V	-0,000160 V	20.5%	Pass
Channel 6	1.800000 V	1.799713 V	1.799220 V	1.800780 V	28.00 e-06 V	-0,000287 V	36.8%	Pass
Channel 7	1.800000 V	1.799850 V	1.799220 V	1.800780 V	28.00 e-06 V	-0,000150 V	19.2%	Pass
Channel 8	1.800000 V	1.799910 V	1.799220 V	1.800780 V	28.00 e-06 V	-0,000090 V	11.5%	Pass
Test @ -1.8V DC								
Channel 1	-1.800000 V	-1.799820 V	-1.800780 V	-1.799220 V	28.00 e-06 V	0,000180 V	23.1%	Pass
Channel 2	-1.800000 V	-1.799800 V	-1.800780 V	-1.799220 V	28.00 e-06 V	0,000200 V	25.6%	Pass
Channel 3	-1.800000 V	-1.799810 V	-1.800780 V	-1.799220 V	28.00 e-06 V	0,000190 V	24.4%	Pass
Channel 4	-1.800000 V	-1.799960 V	-1.800780 V	-1.799220 V	28.00 e-06 V	0,000040 V	5.13%	Pass
Channel 5	-1.800000 V	-1.799830 V	-1.800780 V	-1.799220 V	28.00 e-06 V	0,000170 V	21.8%	Pass
Channel 6	-1.800000 V	-1.799700 V	-1.800780 V	-1.799220 V	28.00 e-06 V	0,000300 V	38.5%	Pass
Channel 7	-1.800000 V	-1.799850 V	-1.800780 V	-1.799220 V	28.00 e-06 V	0,000150 V	19.2%	Pass
Channel 8	-1.800000 V	-1.799827 V	-1.800780 V	-1.799220 V	28.00 e-06 V	0,000173 V	22.2%	Pass
Test @ 1.4V_RMS @ 20Hz								
Channel 1	1.400000 V	1.399853 V	1.399300 V	1.400700 V	580.00 e-06 V	-0,000147 V	21%	Pass
Channel 2	1.400000 V	1.399830 V	1.399300 V	1.400700 V	580.00 e-06 V	-0,000170 V	24.3%	Pass
Channel 3	1.400000 V	1.399840 V	1.399300 V	1.400700 V	580.00 e-06 V	-0,000160 V	22.9%	Pass
Channel 4	1.400000 V	1.399930 V	1.399300 V	1.400700 V	580.00 e-06 V	-0,000070 V	10%	Pass
Channel 5	1.400000 V	1.399853 V	1.399300 V	1.400700 V	580.00 e-06 V	-0,000147 V	21%	Pass
Channel 6	1.400000 V	1.399760 V	1.399300 V	1.400700 V	580.00 e-06 V	-0,000240 V	34.3%	Pass
Channel 7	1.400000 V	1.399870 V	1.399300 V	1.400700 V	580.00 e-06 V	-0,000130 V	18.6%	Pass
Channel 8	1.400000 V	1.399890 V	1.399300 V	1.400700 V	580.00 e-06 V	-0,000110 V	15.7%	Pass
Test @ 1.4V_RMS @ 50Hz								
Channel 1	1.400000 V	1.399870 V	1.399300 V	1.400700 V	400.00 e-06 V	-0,000130 V	18.6%	Pass
Channel 2	1.400000 V	1.399840 V	1.399300 V	1.400700 V	400.00 e-06 V	-0,000160 V	22.9%	Pass
Channel 3	1.400000 V	1.399853 V	1.399300 V	1.400700 V	400.00 e-06 V	-0,000147 V	21%	Pass
Channel 4	1.400000 V	1.399940 V	1.399300 V	1.400700 V	400.00 e-06 V	-0,000060 V	8.57%	Pass
Channel 5	1.400000 V	1.399870 V	1.399300 V	1.400700 V	400.00 e-06 V	-0,000130 V	18.6%	Pass
Channel 6	1.400000 V	1.399780 V	1.399300 V	1.400700 V	400.00 e-06 V	-0,000220 V	31.4%	Pass
Channel 7	1.400000 V	1.399883 V	1.399300 V	1.400700 V	400.00 e-06 V	-0,000117 V	16.7%	Pass
Channel 8	1.400000 V	1.399900 V	1.399300 V	1.400700 V	400.00 e-06 V	-0,000100 V	14.3%	Pass
Test @ 1.4V_RMS @ 1000Hz								
Channel 1	1.400000 V	1.399740 V	1.399300 V	1.400700 V	500.00 e-06 V	-0,000260 V	37.1%	Pass
Channel 2	1.400000 V	1.399720 V	1.399300 V	1.400700 V	500.00 e-06 V	-0,000280 V	40%	Pass
Channel 3	1.400000 V	1.399730 V	1.399300 V	1.400700 V	500.00 e-06 V	-0,000270 V	38.6%	Pass
Channel 4	1.400000 V	1.399810 V	1.399300 V	1.400700 V	500.00 e-06 V	-0,000190 V	27.1%	Pass
Channel 5	1.400000 V	1.399750 V	1.399300 V	1.400700 V	500.00 e-06 V	-0,000250 V	35.7%	Pass
Channel 6	1.400000 V	1.399650 V	1.399300 V	1.400700 V	500.00 e-06 V	-0,000350 V	50%	Pass
Channel 7	1.400000 V	1.399760 V	1.399300 V	1.400700 V	500.00 e-06 V	-0,000240 V	34.3%	Pass
Channel 8	1.400000 V	1.399770 V	1.399300 V	1.400700 V	500.00 e-06 V	-0,000230 V	32.9%	Pass
Range: 10V								
################################								
Test @ 1V DC								
Channel 1	1.000000 V	0.999972 V	0.997780 V	1.002220 V	17.00 e-06 V	-0,000028 V	1.26%	Pass
Channel 2	1.000000 V	0.999843 V	0.997780 V	1.002220 V	17.00 e-06 V	-0,000157 V	7.06%	Pass
Channel 3	1.000000 V	0.999887 V	0.997780 V	1.002220 V	17.00 e-06 V	-0,000113 V	5.11%	Pass
Channel 4	1.000000 V	0.999776 V	0.997780 V	1.002220 V	17.00 e-06 V	-0,000224 V	10.1%	Pass
Channel 5	1.000000 V	0.999939 V	0.997780 V	1.002220 V	17.00 e-06 V	-0,000061 V	2.75%	Pass
Channel 6	1.000000 V	0.999870 V	0.997780 V	1.002220 V	17.00 e-06 V	-0,000130 V	5.86%	Pass
Channel 7	1.000000 V	0.999918 V	0.997780 V	1.002220 V	17.00 e-06 V	-0,000082 V	3.71%	Pass
Channel 8	1.000000 V	1.000100 V	0.997780 V	1.002220 V	17.00 e-06 V	0,000100 V	4.5%	Pass
Test @ -1V DC								
Channel 1	-1.000000 V	-0.999891 V	-1.002220 V	-0.997780 V	17.00 e-06 V	0,000109 V	4.92%	Pass
Channel 2	-1.000000 V	-0.999926 V	-1.002220 V	-0.997780 V	17.00 e-06 V	0,000074 V	3.33%	Pass
Channel 3	-1.000000 V	-0.999923 V	-1.002220 V	-0.997780 V	17.00 e-06 V	0,000077 V	3.47%	Pass
Channel 4	-1.000000 V	-1.000030 V	-1.002220 V	-0.997780 V	17.00 e-06 V	-0,000030 V	1.35%	Pass
Channel 5	-1.000000 V	-0.999906 V	-1.002220 V	-0.997780 V	17.00 e-06 V	0,000094 V	4.23%	Pass
Channel 6	-1.000000 V	-0.999812 V	-1.002220 V	-0.997780 V	17.00 e-06 V	0,000188 V	8.47%	Pass

11. Testergebnisse / Test results

Test Description	True Value	Test Result	Lower limit	Upper limit	Exp Uncert	Error	% of Tol	Status
Channel 7	-1.000000 V	-0.999920 V	-1.002220 V	-0.997780 V	17.00 e-06 V	0,000080 V	3.62%	Pass
Channel 8	-1.000000 V	-0.999757 V	-1.002220 V	-0.997780 V	17.00 e-06 V	0,000243 V	10.9%	Pass
Test @ 3V DC								
Channel 1	3.000000 V	2.999830 V	2.997380 V	3.002620 V	45.00 e-06 V	-0,000170 V	6.49%	Pass
Channel 2	3.000000 V	2.999627 V	2.997380 V	3.002620 V	45.00 e-06 V	-0,000373 V	14.2%	Pass
Channel 3	3.000000 V	2.999687 V	2.997380 V	3.002620 V	45.00 e-06 V	-0,000313 V	12%	Pass
Channel 4	3.000000 V	2.999600 V	2.997380 V	3.002620 V	45.00 e-06 V	-0,000400 V	15.3%	Pass
Channel 5	3.000000 V	2.999793 V	2.997380 V	3.002620 V	45.00 e-06 V	-0,000207 V	7.89%	Pass
Channel 6	3.000000 V	2.999570 V	2.997380 V	3.002620 V	45.00 e-06 V	-0,000430 V	16.4%	Pass
Channel 7	3.000000 V	2.999743 V	2.997380 V	3.002620 V	45.00 e-06 V	-0,000257 V	9.8%	Pass
Channel 8	3.000000 V	2.999927 V	2.997380 V	3.002620 V	45.00 e-06 V	-0,000073 V	2.8%	Pass
Test @ 5V DC								
Channel 1	5.000000 V	4.999677 V	4.996980 V	5.003020 V	110.00 e-06 V	-0,000323 V	10.7%	Pass
Channel 2	5.000000 V	4.999417 V	4.996980 V	5.003020 V	110.00 e-06 V	-0,000583 V	19.3%	Pass
Channel 3	5.000000 V	4.999497 V	4.996980 V	5.003020 V	110.00 e-06 V	-0,000503 V	16.7%	Pass
Channel 4	5.000000 V	4.999417 V	4.996980 V	5.003020 V	110.00 e-06 V	-0,000583 V	19.3%	Pass
Channel 5	5.000000 V	4.999647 V	4.996980 V	5.003020 V	110.00 e-06 V	-0,000353 V	11.7%	Pass
Channel 6	5.000000 V	4.999273 V	4.996980 V	5.003020 V	110.00 e-06 V	-0,000727 V	24.1%	Pass
Channel 7	5.000000 V	4.999563 V	4.996980 V	5.003020 V	110.00 e-06 V	-0,000437 V	14.5%	Pass
Channel 8	5.000000 V	4.999770 V	4.996980 V	5.003020 V	110.00 e-06 V	-0,000230 V	7.62%	Pass
Test @ -5V DC								
Channel 1	-5.000000 V	-4.999603 V	-5.003020 V	-4.996980 V	110.00 e-06 V	0,000397 V	13.1%	Pass
Channel 2	-5.000000 V	-4.999490 V	-5.003020 V	-4.996980 V	110.00 e-06 V	0,000510 V	16.9%	Pass
Channel 3	-5.000000 V	-4.999557 V	-5.003020 V	-4.996980 V	110.00 e-06 V	0,000443 V	14.7%	Pass
Channel 4	-5.000000 V	-4.999670 V	-5.003020 V	-4.996980 V	110.00 e-06 V	0,000330 V	10.9%	Pass
Channel 5	-5.000000 V	-4.999610 V	-5.003020 V	-4.996980 V	110.00 e-06 V	0,000390 V	12.9%	Pass
Channel 6	-5.000000 V	-4.999207 V	-5.003020 V	-4.996980 V	110.00 e-06 V	0,000793 V	26.3%	Pass
Channel 7	-5.000000 V	-4.999583 V	-5.003020 V	-4.996980 V	110.00 e-06 V	0,000417 V	13.8%	Pass
Channel 8	-5.000000 V	-4.999440 V	-5.003020 V	-4.996980 V	110.00 e-06 V	0,000560 V	18.5%	Pass
Test @ 7V DC								
Channel 1	7.000000 V	6.999510 V	6.996580 V	7.003420 V	140.00 e-06 V	-0,000490 V	14.3%	Pass
Channel 2	7.000000 V	6.999163 V	6.996580 V	7.003420 V	140.00 e-06 V	-0,000837 V	24.5%	Pass
Channel 3	7.000000 V	6.999297 V	6.996580 V	7.003420 V	140.00 e-06 V	-0,000703 V	20.6%	Pass
Channel 4	7.000000 V	6.999203 V	6.996580 V	7.003420 V	140.00 e-06 V	-0,000797 V	23.3%	Pass
Channel 5	7.000000 V	6.999477 V	6.996580 V	7.003420 V	140.00 e-06 V	-0,000523 V	15.3%	Pass
Channel 6	7.000000 V	6.998950 V	6.996580 V	7.003420 V	140.00 e-06 V	-0,001050 V	30.7%	Pass
Channel 7	7.000000 V	6.999393 V	6.996580 V	7.003420 V	140.00 e-06 V	-0,000607 V	17.7%	Pass
Channel 8	7.000000 V	6.999603 V	6.996580 V	7.003420 V	140.00 e-06 V	-0,000397 V	11.6%	Pass
Test @ 9V DC								
Channel 1	9.000000 V	8.999377 V	8.996180 V	9.003820 V	170.00 e-06 V	-0,000623 V	16.3%	Pass
Channel 2	9.000000 V	8.998967 V	8.996180 V	9.003820 V	170.00 e-06 V	-0,001033 V	27.1%	Pass
Channel 3	9.000000 V	8.999133 V	8.996180 V	9.003820 V	170.00 e-06 V	-0,000867 V	22.7%	Pass
Channel 4	9.000000 V	8.999027 V	8.996180 V	9.003820 V	170.00 e-06 V	-0,000973 V	25.5%	Pass
Channel 5	9.000000 V	8.999353 V	8.996180 V	9.003820 V	170.00 e-06 V	-0,000647 V	16.9%	Pass
Channel 6	9.000000 V	8.998650 V	8.996180 V	9.003820 V	170.00 e-06 V	-0,001350 V	35.3%	Pass
Channel 7	9.000000 V	8.999253 V	8.996180 V	9.003820 V	170.00 e-06 V	-0,000747 V	19.5%	Pass
Channel 8	9.000000 V	8.999450 V	8.996180 V	9.003820 V	170.00 e-06 V	-0,000550 V	14.4%	Pass
Test @ -9V DC								
Channel 1	-9.000000 V	-8.999303 V	-9.003820 V	-8.996180 V	170.00 e-06 V	0,000697 V	18.2%	Pass
Channel 2	-9.000000 V	-8.999047 V	-9.003820 V	-8.996180 V	170.00 e-06 V	0,000953 V	25%	Pass
Channel 3	-9.000000 V	-8.999190 V	-9.003820 V	-8.996180 V	170.00 e-06 V	0,000810 V	21.2%	Pass
Channel 4	-9.000000 V	-8.999300 V	-9.003820 V	-8.996180 V	170.00 e-06 V	0,000700 V	18.3%	Pass
Channel 5	-9.000000 V	-8.999330 V	-9.003820 V	-8.996180 V	170.00 e-06 V	0,000670 V	17.5%	Pass
Channel 6	-9.000000 V	-8.998587 V	-9.003820 V	-8.996180 V	170.00 e-06 V	0,001413 V	37%	Pass
Channel 7	-9.000000 V	-8.999260 V	-9.003820 V	-8.996180 V	170.00 e-06 V	0,000740 V	19.4%	Pass
Channel 8	-9.000000 V	-8.999097 V	-9.003820 V	-8.996180 V	170.00 e-06 V	0,000903 V	23.6%	Pass
Test @ 1V_RMS @ 20Hz								
Channel 1	1.000000 V	0.999913 V	0.997780 V	1.002220 V	430.00 e-06 V	-0,000087 V	3.93%	Pass
Channel 2	1.000000 V	0.999885 V	0.997780 V	1.002220 V	430.00 e-06 V	-0,000115 V	5.17%	Pass
Channel 3	1.000000 V	0.999890 V	0.997780 V	1.002220 V	430.00 e-06 V	-0,000110 V	4.95%	Pass
Channel 4	1.000000 V	0.999893 V	0.997780 V	1.002220 V	430.00 e-06 V	-0,000107 V	4.8%	Pass
Channel 5	1.000000 V	0.999910 V	0.997780 V	1.002220 V	430.00 e-06 V	-0,000090 V	4.05%	Pass
Channel 6	1.000000 V	0.999846 V	0.997780 V	1.002220 V	430.00 e-06 V	-0,000154 V	6.95%	Pass
Channel 7	1.000000 V	0.999900 V	0.997780 V	1.002220 V	430.00 e-06 V	-0,000100 V	4.49%	Pass
Channel 8	1.000000 V	0.999909 V	0.997780 V	1.002220 V	430.00 e-06 V	-0,000091 V	4.1%	Pass
Test @ 1V_RMS @ 50Hz								
Channel 1	1.000000 V	0.999926 V	0.997780 V	1.002220 V	260.00 e-06 V	-0,000074 V	3.33%	Pass
Channel 2	1.000000 V	0.999894 V	0.997780 V	1.002220 V	260.00 e-06 V	-0,000106 V	4.77%	Pass
Channel 3	1.000000 V	0.999901 V	0.997780 V	1.002220 V	260.00 e-06 V	-0,000099 V	4.46%	Pass
Channel 4	1.000000 V	0.999905 V	0.997780 V	1.002220 V	260.00 e-06 V	-0,000095 V	4.26%	Pass
Channel 5	1.000000 V	0.999920 V	0.997780 V	1.002220 V	260.00 e-06 V	-0,000080 V	3.62%	Pass
Channel 6	1.000000 V	0.999856 V	0.997780 V	1.002220 V	260.00 e-06 V	-0,000144 V	6.49%	Pass

11. Testergebnisse / Test results

Test Description	True Value	Test Result	Lower limit	Upper limit	Exp Uncert	Error	% of Tol	Status
Channel 7	1.000000 V	0.999913 V	0.997780 V	1.002220 V	260.00 e-06 V	-0,000087 V	3.92%	Pass
Channel 8	1.000000 V	0.999923 V	0.997780 V	1.002220 V	260.00 e-06 V	-0,000077 V	3.47%	Pass
Test @ 1V_RMS @ 1000Hz								
Channel 1	1.000000 V	0.999829 V	0.997780 V	1.002220 V	260.00 e-06 V	-0,000171 V	7.69%	Pass
Channel 2	1.000000 V	0.999806 V	0.997780 V	1.002220 V	260.00 e-06 V	-0,000194 V	8.74%	Pass
Channel 3	1.000000 V	0.999810 V	0.997780 V	1.002220 V	260.00 e-06 V	-0,000190 V	8.54%	Pass
Channel 4	1.000000 V	0.999818 V	0.997780 V	1.002220 V	260.00 e-06 V	-0,000182 V	8.2%	Pass
Channel 5	1.000000 V	0.999830 V	0.997780 V	1.002220 V	260.00 e-06 V	-0,000170 V	7.64%	Pass
Channel 6	1.000000 V	0.999767 V	0.997780 V	1.002220 V	260.00 e-06 V	-0,000233 V	10.5%	Pass
Channel 7	1.000000 V	0.999824 V	0.997780 V	1.002220 V	260.00 e-06 V	-0,000176 V	7.91%	Pass
Channel 8	1.000000 V	0.999835 V	0.997780 V	1.002220 V	260.00 e-06 V	-0,000165 V	7.42%	Pass
Test @ 5V_RMS @ 20Hz								
Channel 1	5.000000 V	4.999520 V	4.996980 V	5.003020 V	1.00 e-03 V	-0,000480 V	15.9%	Pass
Channel 2	5.000000 V	4.999390 V	4.996980 V	5.003020 V	1.00 e-03 V	-0,000610 V	20.2%	Pass
Channel 3	5.000000 V	4.999420 V	4.996980 V	5.003020 V	1.00 e-03 V	-0,000580 V	19.2%	Pass
Channel 4	5.000000 V	4.999437 V	4.996980 V	5.003020 V	1.00 e-03 V	-0,000563 V	18.7%	Pass
Channel 5	5.000000 V	4.999500 V	4.996980 V	5.003020 V	1.00 e-03 V	-0,000500 V	16.6%	Pass
Channel 6	5.000000 V	4.999190 V	4.996980 V	5.003020 V	1.00 e-03 V	-0,000810 V	26.8%	Pass
Channel 7	5.000000 V	4.999467 V	4.996980 V	5.003020 V	1.00 e-03 V	-0,000533 V	17.7%	Pass
Channel 8	5.000000 V	4.999493 V	4.996980 V	5.003020 V	1.00 e-03 V	-0,000507 V	16.8%	Pass
Test @ 5V_RMS @ 50Hz								
Channel 1	5.000000 V	4.999550 V	4.996980 V	5.003020 V	730.00 e-06 V	-0,000450 V	14.9%	Pass
Channel 2	5.000000 V	4.999427 V	4.996980 V	5.003020 V	730.00 e-06 V	-0,000573 V	19%	Pass
Channel 3	5.000000 V	4.999447 V	4.996980 V	5.003020 V	730.00 e-06 V	-0,000553 V	18.3%	Pass
Channel 4	5.000000 V	4.999483 V	4.996980 V	5.003020 V	730.00 e-06 V	-0,000517 V	17.1%	Pass
Channel 5	5.000000 V	4.999550 V	4.996980 V	5.003020 V	730.00 e-06 V	-0,000450 V	14.9%	Pass
Channel 6	5.000000 V	4.999240 V	4.996980 V	5.003020 V	730.00 e-06 V	-0,000760 V	25.2%	Pass
Channel 7	5.000000 V	4.999533 V	4.996980 V	5.003020 V	730.00 e-06 V	-0,000467 V	15.5%	Pass
Channel 8	5.000000 V	4.999570 V	4.996980 V	5.003020 V	730.00 e-06 V	-0,000430 V	14.2%	Pass
Test @ 5V_RMS @ 1000Hz								
Channel 1	5.000000 V	4.998887 V	4.996980 V	5.003020 V	1.10 e-03 V	-0,001113 V	36.9%	Pass
Channel 2	5.000000 V	4.998770 V	4.996980 V	5.003020 V	1.10 e-03 V	-0,001230 V	40.7%	Pass
Channel 3	5.000000 V	4.998797 V	4.996980 V	5.003020 V	1.10 e-03 V	-0,001203 V	39.8%	Pass
Channel 4	5.000000 V	4.998830 V	4.996980 V	5.003020 V	1.10 e-03 V	-0,001170 V	38.7%	Pass
Channel 5	5.000000 V	4.998897 V	4.996980 V	5.003020 V	1.10 e-03 V	-0,001103 V	36.5%	Pass
Channel 6	5.000000 V	4.998570 V	4.996980 V	5.003020 V	1.10 e-03 V	-0,001430 V	47.4%	Pass
Channel 7	5.000000 V	4.998847 V	4.996980 V	5.003020 V	1.10 e-03 V	-0,001153 V	38.2%	Pass
Channel 8	5.000000 V	4.998867 V	4.996980 V	5.003020 V	1.10 e-03 V	-0,001133 V	37.5%	Pass
Test @ 7V_RMS @ 20Hz								
Channel 1	7.000000 V	6.999407 V	6.996580 V	7.003420 V	1.20 e-03 V	-0,000593 V	17.3%	Pass
Channel 2	7.000000 V	6.999223 V	6.996580 V	7.003420 V	1.20 e-03 V	-0,000777 V	22.7%	Pass
Channel 3	7.000000 V	6.999273 V	6.996580 V	7.003420 V	1.20 e-03 V	-0,000727 V	21.2%	Pass
Channel 4	7.000000 V	6.999297 V	6.996580 V	7.003420 V	1.20 e-03 V	-0,000703 V	20.6%	Pass
Channel 5	7.000000 V	6.999387 V	6.996580 V	7.003420 V	1.20 e-03 V	-0,000613 V	17.9%	Pass
Channel 6	7.000000 V	6.998933 V	6.996580 V	7.003420 V	1.20 e-03 V	-0,001067 V	31.2%	Pass
Channel 7	7.000000 V	6.999337 V	6.996580 V	7.003420 V	1.20 e-03 V	-0,000663 V	19.4%	Pass
Channel 8	7.000000 V	6.999370 V	6.996580 V	7.003420 V	1.20 e-03 V	-0,000630 V	18.4%	Pass
Test @ 7V_RMS @ 50Hz								
Channel 1	7.000000 V	6.999473 V	6.996580 V	7.003420 V	920.00 e-06 V	-0,000527 V	15.4%	Pass
Channel 2	7.000000 V	6.999307 V	6.996580 V	7.003420 V	920.00 e-06 V	-0,000693 V	20.3%	Pass
Channel 3	7.000000 V	6.999343 V	6.996580 V	7.003420 V	920.00 e-06 V	-0,000657 V	19.2%	Pass
Channel 4	7.000000 V	6.999370 V	6.996580 V	7.003420 V	920.00 e-06 V	-0,000630 V	18.4%	Pass
Channel 5	7.000000 V	6.999467 V	6.996580 V	7.003420 V	920.00 e-06 V	-0,000533 V	15.6%	Pass
Channel 6	7.000000 V	6.999003 V	6.996580 V	7.003420 V	920.00 e-06 V	-0,000997 V	29.1%	Pass
Channel 7	7.000000 V	6.999420 V	6.996580 V	7.003420 V	920.00 e-06 V	-0,000580 V	17%	Pass
Channel 8	7.000000 V	6.999460 V	6.996580 V	7.003420 V	920.00 e-06 V	-0,000540 V	15.8%	Pass
Test @ 7V_RMS @ 1000Hz								
Channel 1	7.000000 V	6.998443 V	6.996580 V	7.003420 V	1.50 e-03 V	-0,001557 V	45.5%	Pass
Channel 2	7.000000 V	6.998283 V	6.996580 V	7.003420 V	1.50 e-03 V	-0,001717 V	50.2%	Pass
Channel 3	7.000000 V	6.998327 V	6.996580 V	7.003420 V	1.50 e-03 V	-0,001673 V	48.9%	Pass
Channel 4	7.000000 V	6.998370 V	6.996580 V	7.003420 V	1.50 e-03 V	-0,001630 V	47.7%	Pass
Channel 5	7.000000 V	6.998490 V	6.996580 V	7.003420 V	1.50 e-03 V	-0,001510 V	44.2%	Pass
Channel 6	7.000000 V	6.998030 V	6.996580 V	7.003420 V	1.50 e-03 V	-0,001970 V	57.6%	Pass
Channel 7	7.000000 V	6.998440 V	6.996580 V	7.003420 V	1.50 e-03 V	-0,001560 V	45.6%	Pass
Channel 8	7.000000 V	6.998470 V	6.996580 V	7.003420 V	1.50 e-03 V	-0,001530 V	44.7%	Pass
Test @ 7V_RMS @ 10000Hz								
Channel 1	7.000000 V	6.984327 V	6.962980 V	7.037020 V	1.50 e-03 V	-0,015673 V	42.3%	Pass
Channel 2	7.000000 V	6.984460 V	6.962980 V	7.037020 V	1.50 e-03 V	-0,015540 V	42%	Pass
Channel 3	7.000000 V	6.984380 V	6.962980 V	7.037020 V	1.50 e-03 V	-0,015620 V	42.2%	Pass
Channel 4	7.000000 V	6.984483 V	6.962980 V	7.037020 V	1.50 e-03 V	-0,015517 V	41.9%	Pass
Channel 5	7.000000 V	6.985100 V	6.962980 V	7.037020 V	1.50 e-03 V	-0,014900 V	40.2%	Pass
Channel 6	7.000000 V	6.983953 V	6.962980 V	7.037020 V	1.50 e-03 V	-0,016047 V	43.3%	Pass

11. Testergebnisse / Test results

Test Description	True Value	Test Result	Lower limit	Upper limit	Exp Uncert	Error	% of Tol	Status
Channel 7	7.000000 V	6.984693 V	6.962980 V	7.037020 V	1.50 e-03 V	-0,015307 V	41.3%	Pass
Channel 8	7.000000 V	6.984377 V	6.962980 V	7.037020 V	1.50 e-03 V	-0,015623 V	42.2%	Pass
Test @ 7V_RMS @ 20000Hz								
Channel 1	7.000000 V	6.967623 V	6.927980 V	7.072020 V	1.50 e-03 V	-0,032377 V	45%	Pass
Channel 2	7.000000 V	6.968520 V	6.927980 V	7.072020 V	1.50 e-03 V	-0,031480 V	43.7%	Pass
Channel 3	7.000000 V	6.968167 V	6.927980 V	7.072020 V	1.50 e-03 V	-0,031833 V	44.2%	Pass
Channel 4	7.000000 V	6.968210 V	6.927980 V	7.072020 V	1.50 e-03 V	-0,031790 V	44.1%	Pass
Channel 5	7.000000 V	6.969847 V	6.927980 V	7.072020 V	1.50 e-03 V	-0,030153 V	41.9%	Pass
Channel 6	7.000000 V	6.967197 V	6.927980 V	7.072020 V	1.50 e-03 V	-0,032803 V	45.5%	Pass
Channel 7	7.000000 V	6.968407 V	6.927980 V	7.072020 V	1.50 e-03 V	-0,031593 V	43.9%	Pass
Channel 8	7.000000 V	6.967303 V	6.927980 V	7.072020 V	1.50 e-03 V	-0,032697 V	45.4%	Pass
Range: 100V Manufacturer Limits: 70V DC / 47.2V peak AC ##############################								
Test @ 10V DC								
Channel 1	10.000000 V	9.999993 V	9.977980 V	10.022020 V	190.00 e-06 V	-0,000007 V	0.0303%	Pass
Channel 2	10.000000 V	9.998583 V	9.977980 V	10.022020 V	190.00 e-06 V	-0,001417 V	6.43%	Pass
Channel 3	10.000000 V	9.999100 V	9.977980 V	10.022020 V	190.00 e-06 V	-0,000900 V	4.09%	Pass
Channel 4	10.000000 V	9.998517 V	9.977980 V	10.022020 V	190.00 e-06 V	-0,001483 V	6.74%	Pass
Channel 5	10.000000 V	9.999283 V	9.977980 V	10.022020 V	190.00 e-06 V	-0,000717 V	3.25%	Pass
Channel 6	10.000000 V	9.998433 V	9.977980 V	10.022020 V	190.00 e-06 V	-0,001567 V	7.11%	Pass
Channel 7	10.000000 V	9.998983 V	9.977980 V	10.022020 V	190.00 e-06 V	-0,001017 V	4.62%	Pass
Channel 8	10.000000 V	10.002000 V	9.977980 V	10.022020 V	190.00 e-06 V	0,002000 V	9.08%	Pass
Test @ 50V DC								
Channel 1	50.000000 V	49.996533 V	49.969980 V	50.030020 V	1.50 e-03 V	-0,003467 V	11.5%	Pass
Channel 2	50.000000 V	49.995167 V	49.969980 V	50.030020 V	1.50 e-03 V	-0,004833 V	16.1%	Pass
Channel 3	50.000000 V	49.995767 V	49.969980 V	50.030020 V	1.50 e-03 V	-0,004233 V	14.1%	Pass
Channel 4	50.000000 V	49.998367 V	49.969980 V	50.030020 V	1.50 e-03 V	-0,001633 V	5.44%	Pass
Channel 5	50.000000 V	49.995300 V	49.969980 V	50.030020 V	1.50 e-03 V	-0,004700 V	15.7%	Pass
Channel 6	50.000000 V	49.990500 V	49.969980 V	50.030020 V	1.50 e-03 V	-0,009500 V	31.6%	Pass
Channel 7	50.000000 V	49.995033 V	49.969980 V	50.030020 V	1.50 e-03 V	-0,004967 V	16.5%	Pass
Channel 8	50.000000 V	49.998967 V	49.969980 V	50.030020 V	1.50 e-03 V	-0,001033 V	3.44%	Pass
Test @ 70V DC								
Channel 1	70.000000 V	69.994667 V	69.965980 V	70.034020 V	2.00 e-03 V	-0,005333 V	15.7%	Pass
Channel 2	70.000000 V	69.993300 V	69.965980 V	70.034020 V	2.00 e-03 V	-0,006700 V	19.7%	Pass
Channel 3	70.000000 V	69.994233 V	69.965980 V	70.034020 V	2.00 e-03 V	-0,005767 V	17%	Pass
Channel 4	70.000000 V	69.998167 V	69.965980 V	70.034020 V	2.00 e-03 V	-0,001833 V	5.39%	Pass
Channel 5	70.000000 V	69.993200 V	69.965980 V	70.034020 V	2.00 e-03 V	-0,006800 V	20%	Pass
Channel 6	70.000000 V	69.986233 V	69.965980 V	70.034020 V	2.00 e-03 V	-0,013767 V	40.5%	Pass
Channel 7	70.000000 V	69.992967 V	69.965980 V	70.034020 V	2.00 e-03 V	-0,007033 V	20.7%	Pass
Channel 8	70.000000 V	69.997233 V	69.965980 V	70.034020 V	2.00 e-03 V	-0,002767 V	8.13%	Pass
Test @ -70V DC								
Channel 1	-70.000000 V	-69.993367 V	-70.034020 V	-69.965980 V	2.00 e-03 V	0,006633 V	19.5%	Pass
Channel 2	-70.000000 V	-69.994033 V	-70.034020 V	-69.965980 V	2.00 e-03 V	0,005967 V	17.5%	Pass
Channel 3	-70.000000 V	-69.994400 V	-70.034020 V	-69.965980 V	2.00 e-03 V	0,005600 V	16.5%	Pass
Channel 4	-70.000000 V	-70.000967 V	-70.034020 V	-69.965980 V	2.00 e-03 V	-0,000967 V	2.84%	Pass
Channel 5	-70.000000 V	-69.992233 V	-70.034020 V	-69.965980 V	2.00 e-03 V	0,007767 V	22.8%	Pass
Channel 6	-70.000000 V	-69.984767 V	-70.034020 V	-69.965980 V	2.00 e-03 V	0,015233 V	44.8%	Pass
Channel 7	-70.000000 V	-69.993300 V	-70.034020 V	-69.965980 V	2.00 e-03 V	0,006700 V	19.7%	Pass
Channel 8	-70.000000 V	-69.991300 V	-70.034020 V	-69.965980 V	2.00 e-03 V	0,008700 V	25.6%	Pass
Test @ 32V_RMS @ 20Hz								
Channel 1	32.000000 V	31.998633 V	31.973580 V	32.026420 V	13.00 e-03 V	-0,001367 V	5.17%	Pass
Channel 2	32.000000 V	31.998400 V	31.973580 V	32.026420 V	13.00 e-03 V	-0,001600 V	6.06%	Pass
Channel 3	32.000000 V	31.998700 V	31.973580 V	32.026420 V	13.00 e-03 V	-0,001300 V	4.92%	Pass
Channel 4	32.000000 V	32.001067 V	31.973580 V	32.026420 V	13.00 e-03 V	0,001067 V	4.04%	Pass
Channel 5	32.000000 V	31.998000 V	31.973580 V	32.026420 V	13.00 e-03 V	-0,002000 V	7.57%	Pass
Channel 6	32.000000 V	31.994767 V	31.973580 V	32.026420 V	13.00 e-03 V	-0,005233 V	19.8%	Pass
Channel 7	32.000000 V	31.998233 V	31.973580 V	32.026420 V	13.00 e-03 V	-0,001767 V	6.69%	Pass
Channel 8	32.000000 V	31.998700 V	31.973580 V	32.026420 V	13.00 e-03 V	-0,001300 V	4.92%	Pass
Test @ 32V_RMS @ 50Hz								
Channel 1	32.000000 V	31.997300 V	31.973580 V	32.026420 V	6.70 e-03 V	-0,002700 V	10.2%	Pass
Channel 2	32.000000 V	31.997133 V	31.973580 V	32.026420 V	6.70 e-03 V	-0,002867 V	10.9%	Pass
Channel 3	32.000000 V	31.997400 V	31.973580 V	32.026420 V	6.70 e-03 V	-0,002600 V	9.84%	Pass
Channel 4	32.000000 V	31.999800 V	31.973580 V	32.026420 V	6.70 e-03 V	-0,000200 V	0.757%	Pass
Channel 5	32.000000 V	31.996700 V	31.973580 V	32.026420 V	6.70 e-03 V	-0,003300 V	12.5%	Pass
Channel 6	32.000000 V	31.993500 V	31.973580 V	32.026420 V	6.70 e-03 V	-0,006500 V	24.6%	Pass
Channel 7	32.000000 V	31.996900 V	31.973580 V	32.026420 V	6.70 e-03 V	-0,003100 V	11.7%	Pass
Channel 8	32.000000 V	31.997367 V	31.973580 V	32.026420 V	6.70 e-03 V	-0,002633 V	9.97%	Pass
Test @ 32V_RMS @ 1000Hz								
Channel 1	32.000000 V	31.988400 V	31.973580 V	32.026420 V	1.10 e-03 V	-0,011600 V	43.9%	Pass

11. Testergebnisse / Test results

Test Description	True Value	Test Result	Lower limit	Upper limit	Exp Uncert	Error	% of Tol	Status
Channel 2	32.000000 V	31.988500 V	31.973580 V	32.026420 V	1.10 e-03 V	-0,011500 V	43.5%	Pass
Channel 3	32.000000 V	31.988800 V	31.973580 V	32.026420 V	1.10 e-03 V	-0,011200 V	42.4%	Pass
Channel 4	32.000000 V	31.991200 V	31.973580 V	32.026420 V	1.10 e-03 V	-0,008800 V	33.3%	Pass
Channel 5	32.000000 V	31.990100 V	31.973580 V	32.026420 V	1.10 e-03 V	-0,009900 V	37.5%	Pass
Channel 6	32.000000 V	31.985900 V	31.973580 V	32.026420 V	1.10 e-03 V	-0,014100 V	53.4%	Pass
Channel 7	32.000000 V	31.989100 V	31.973580 V	32.026420 V	1.10 e-03 V	-0,010900 V	41.3%	Pass
Channel 8	32.000000 V	31.988200 V	31.973580 V	32.026420 V	1.10 e-03 V	-0,011800 V	44.7%	Pass

non-accredited
functional board tests

Voltage Monitor Checks @1V Excitation

Channel 1	Pass	(1)
Channel 2	Pass	(1)
Channel 3	Pass	(1)
Channel 4	Pass	(1)
Channel 5	Pass	(1)
Channel 6	Pass	(1)
Channel 7	Pass	(1)
Channel 8	Pass	(1)

Voltage Monitor Checks @24V Excitation

Channel 1	Pass	(1)
Channel 2	Pass	(1)
Channel 3	Pass	(1)
Channel 4	Pass	(1)
Channel 5	Pass	(1)
Channel 6	Pass	(1)
Channel 7	Pass	(1)
Channel 8	Pass	(1)

Current Monitor Checks @5mA Excitation

Channel 1	Pass	(1)
Channel 2	Pass	(1)
Channel 3	Pass	(1)
Channel 4	Pass	(1)
Channel 5	Pass	(1)
Channel 6	Pass	(1)
Channel 7	Pass	(1)
Channel 8	Pass	(1)

Current Monitor Checks @20mA Excitation

Channel 1	Pass	(1)
Channel 2	Pass	(1)
Channel 3	Pass	(1)
Channel 4	Pass	(1)
Channel 5	Pass	(1)
Channel 6	Pass	(1)
Channel 7	Pass	(1)
Channel 8	Pass	(1)

Highpass Filter Check

AC - Coupling: 0.16Hz

Highpass Filter @ Channel 1	Pass	(1)
Highpass Filter @ Channel 2	Pass	(1)
Highpass Filter @ Channel 3	Pass	(1)
Highpass Filter @ Channel 4	Pass	(1)
Highpass Filter @ Channel 5	Pass	(1)
Highpass Filter @ Channel 6	Pass	(1)
Highpass Filter @ Channel 7	Pass	(1)
Highpass Filter @ Channel 8	Pass	(1)

CMRR Checks

100V-Range @ 50Hz

Channel 1 @ 50Hz CMRR	Pass	(1)
Channel 2 @ 50Hz CMRR	Pass	(1)
Channel 3 @ 50Hz CMRR	Pass	(1)
Channel 4 @ 50Hz CMRR	Pass	(1)
Channel 5 @ 50Hz CMRR	Pass	(1)
Channel 6 @ 50Hz CMRR	Pass	(1)
Channel 7 @ 50Hz CMRR	Pass	(1)
Channel 8 @ 50Hz CMRR	Pass	(1)

100V-Range @ 1kHz

Channel 1 @ 1kHz CMRR	Pass	(1)
Channel 2 @ 1kHz CMRR	Pass	(1)
Channel 3 @ 1kHz CMRR	Pass	(1)

11. Testergebnisse / Test results

Test Description	True Value	Test Result	Lower limit	Upper limit	Exp Uncert	Error	% of Tol	Status	
Channel 4 @ 1kHz CMRR								Pass	(1)
Channel 5 @ 1kHz CMRR								Pass	(1)
Channel 6 @ 1kHz CMRR								Pass	(1)
Channel 7 @ 1kHz CMRR								Pass	(1)
Channel 8 @ 1kHz CMRR								Pass	(1)
Bridge-Completion and Shunt Checks									
350R Quarter Bridge Offset Check									
Channel 1 350R Quarter Bridge Offset								Pass	(1)
Channel 2 350R Quarter Bridge Offset								Pass	(1)
Channel 3 350R Quarter Bridge Offset								Pass	(1)
Channel 4 350R Quarter Bridge Offset								Pass	(1)
Channel 5 350R Quarter Bridge Offset								Pass	(1)
Channel 6 350R Quarter Bridge Offset								Pass	(1)
Channel 7 350R Quarter Bridge Offset								Pass	(1)
Channel 8 350R Quarter Bridge Offset								Pass	(1)
120R Quarter Bridge Completion									
Channel 1 120R Quarter Bridge Offset								Pass	(1)
Channel 2 120R Quarter Bridge Offset								Pass	(1)
Channel 3 120R Quarter Bridge Offset								Pass	(1)
Channel 4 120R Quarter Bridge Offset								Pass	(1)
Channel 5 120R Quarter Bridge Offset								Pass	(1)
Channel 6 120R Quarter Bridge Offset								Pass	(1)
Channel 7 120R Quarter Bridge Offset								Pass	(1)
Channel 8 120R Quarter Bridge Offset								Pass	(1)
350R Quarter Br. & 50k Shunt Resistor									
Channel 1 350R Quarter Bridge & 50k Shunt Check								Pass	(1)
Channel 2 350R Quarter Bridge & 50k Shunt Check								Pass	(1)
Channel 3 350R Quarter Bridge & 50k Shunt Check								Pass	(1)
Channel 4 350R Quarter Bridge & 50k Shunt Check								Pass	(1)
Channel 5 350R Quarter Bridge & 50k Shunt Check								Pass	(1)
Channel 6 350R Quarter Bridge & 50k Shunt Check								Pass	(1)
Channel 7 350R Quarter Bridge & 50k Shunt Check								Pass	(1)
Channel 8 350R Quarter Bridge & 50k Shunt Check								Pass	(1)
350R Quarter Br. & 100k Shunt Resistor									
Channel 1 350R Quarter Bridge & 100k Shunt Check								Pass	(1)
Channel 2 350R Quarter Bridge & 100k Shunt Check								Pass	(1)
Channel 3 350R Quarter Bridge & 100k Shunt Check								Pass	(1)
Channel 4 350R Quarter Bridge & 100k Shunt Check								Pass	(1)
Channel 5 350R Quarter Bridge & 100k Shunt Check								Pass	(1)
Channel 6 350R Quarter Bridge & 100k Shunt Check								Pass	(1)
Channel 7 350R Quarter Bridge & 100k Shunt Check								Pass	(1)
Channel 8 350R Quarter Bridge & 100k Shunt Check								Pass	(1)
Hardware Check (Selftest)								Pass	(1)
Hardware Check (Excitation Test)								Pass	(1)
43 °C @ BoardTemp	43. °C	46 °C	38 °C	48 °C		3,00 °C	50%	Pass	(1)

Ende des Kalibrierscheines / *End of Calibration Certificate*