DEWETRON GmbH

Parkring 4
8074 Grambach
Austria

AAT2560190
Akkreditierung Austria 0632
03.04.2025

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-dSTG
Herstellernummer *Serial number*	A01505F8
Auftraggeber *Customer*	
Kalibriernummer *Order number*	AAT2560190
Anzahl der Seiten des Kalibrierscheines *Number of pages of the certificate*	16
Datum der Kalibrierung *Date of calibration*	03.04.2025

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*
	03.04.2025	Stefan Strohmaier	Nandor Nagy

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Kalibrierschein nach ISO/IEC 17025
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1. Kalibriergegenstand / *Calibration object*

8 Channel Data Acquisition DEWETRON TRION-2402-dSTG, S/N: A01505F8

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-240x-dSTG_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:*	23,4 °C
Rel. Luftfeuchte / *Rel. humidity:*	36,8 % 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	SA01377628	3-Mär-2025	3-Mär-2026
Agilent 3458A	3458A Multimeter	MY45043170	01102024	1-Okt-2024	1-Okt-2025

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:	42.9°C							
Calibrator:	26.57°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:	7.4.2.7598							
Card Type:	TRION-2402-dSTG-8-RJ							
Firmware Version:	1120							
Model version:	1.03							
XML version:	SVN 1507299269							
SN. of board:	A01505F8							
SN. of connector:	00466668							
Excitation Voltage Calibration								
Accuracy: 0.03% of Value ±1mV								
Channel 1	0.5000 V	0.499293 V	0.498850 V	0.501150 V	6.90 e-06 V	-0,000707 V	61.5%	Pass
Channel 1	1.0000 V	1.000110 V	0.998700 V	1.001300 V	11.00 e-06 V	0,000110 V	8.47%	Pass
Channel 1	2.0000 V	1.999407 V	1.998400 V	2.001600 V	21.00 e-06 V	-0,000593 V	37.1%	Pass
Channel 1	5.0000 V	5.000594 V	4.997500 V	5.002500 V	46.00 e-06 V	0,000594 V	23.7%	Pass
Channel 1	10.0000 V	9.999909 V	9.996000 V	10.004000 V	87.00 e-06 V	-0,000091 V	2.27%	Pass
Channel 1	12.0000 V	12.000182 V	11.995400 V	12.004600 V	170.00 e-06 V	0,000182 V	3.95%	Pass
Channel 2	0.5000 V	0.499681 V	0.498850 V	0.501150 V	6.90 e-06 V	-0,000319 V	27.7%	Pass
Channel 2	1.0000 V	1.000195 V	0.998700 V	1.001300 V	11.00 e-06 V	0,000195 V	15%	Pass
Channel 2	2.0000 V	1.999372 V	1.998400 V	2.001600 V	21.00 e-06 V	-0,000628 V	39.2%	Pass
Channel 2	5.0000 V	5.000089 V	4.997500 V	5.002500 V	46.00 e-06 V	0,000089 V	3.55%	Pass
Channel 2	10.0000 V	9.999977 V	9.996000 V	10.004000 V	87.00 e-06 V	-0,000023 V	0.575%	Pass
Channel 2	12.0000 V	12.000329 V	11.995400 V	12.004600 V	170.00 e-06 V	0,000329 V	7.14%	Pass
Channel 3	0.5000 V	0.499438 V	0.498850 V	0.501150 V	6.90 e-06 V	-0,000562 V	48.9%	Pass
Channel 3	1.0000 V	1.000207 V	0.998700 V	1.001300 V	11.00 e-06 V	0,000207 V	16%	Pass
Channel 3	2.0000 V	1.999485 V	1.998400 V	2.001600 V	21.00 e-06 V	-0,000515 V	32.2%	Pass
Channel 3	5.0000 V	5.000102 V	4.997500 V	5.002500 V	46.00 e-06 V	0,000102 V	4.06%	Pass
Channel 3	10.0000 V	9.999923 V	9.996000 V	10.004000 V	87.00 e-06 V	-0,000077 V	1.93%	Pass
Channel 3	12.0000 V	11.999793 V	11.995400 V	12.004600 V	170.00 e-06 V	-0,000207 V	4.5%	Pass
Channel 4	0.5000 V	0.499246 V	0.498850 V	0.501150 V	6.90 e-06 V	-0,000754 V	65.5%	Pass
Channel 4	1.0000 V	1.000015 V	0.998700 V	1.001300 V	11.00 e-06 V	0,000015 V	1.14%	Pass
Channel 4	2.0000 V	1.999565 V	1.998400 V	2.001600 V	21.00 e-06 V	-0,000435 V	27.2%	Pass
Channel 4	5.0000 V	5.000058 V	4.997500 V	5.002500 V	46.00 e-06 V	0,000058 V	2.32%	Pass
Channel 4	10.0000 V	9.999979 V	9.996000 V	10.004000 V	87.00 e-06 V	-0,000021 V	0.533%	Pass
Channel 4	12.0000 V	11.999781 V	11.995400 V	12.004600 V	170.00 e-06 V	-0,000219 V	4.77%	Pass
Channel 5	0.5000 V	0.499481 V	0.498850 V	0.501150 V	6.90 e-06 V	-0,000519 V	45.1%	Pass
Channel 5	1.0000 V	1.000180 V	0.998700 V	1.001300 V	11.00 e-06 V	0,000180 V	13.8%	Pass
Channel 5	2.0000 V	1.999165 V	1.998400 V	2.001600 V	21.00 e-06 V	-0,000835 V	52.2%	Pass
Channel 5	5.0000 V	5.000267 V	4.997500 V	5.002500 V	46.00 e-06 V	0,000267 V	10.7%	Pass
Channel 5	10.0000 V	9.999908 V	9.996000 V	10.004000 V	87.00 e-06 V	-0,000092 V	2.29%	Pass
Channel 5	12.0000 V	12.000079 V	11.995400 V	12.004600 V	170.00 e-06 V	0,000079 V	1.72%	Pass
Channel 6	0.5000 V	0.499504 V	0.498850 V	0.501150 V	6.90 e-06 V	-0,000496 V	43.2%	Pass
Channel 6	1.0000 V	1.000193 V	0.998700 V	1.001300 V	11.00 e-06 V	0,000193 V	14.9%	Pass
Channel 6	2.0000 V	1.999469 V	1.998400 V	2.001600 V	21.00 e-06 V	-0,000531 V	33.2%	Pass
Channel 6	5.0000 V	5.000239 V	4.997500 V	5.002500 V	46.00 e-06 V	0,000239 V	9.55%	Pass
Channel 6	10.0000 V	9.999973 V	9.996000 V	10.004000 V	87.00 e-06 V	-0,000027 V	0.686%	Pass
Channel 6	12.0000 V	12.000264 V	11.995400 V	12.004600 V	170.00 e-06 V	0,000264 V	5.75%	Pass
Channel 7	0.5000 V	0.499311 V	0.498850 V	0.501150 V	6.90 e-06 V	-0,000689 V	59.9%	Pass
Channel 7	1.0000 V	1.000136 V	0.998700 V	1.001300 V	11.00 e-06 V	0,000136 V	10.5%	Pass
Channel 7	2.0000 V	1.998996 V	1.998400 V	2.001600 V	21.00 e-06 V	-0,001004 V	62.8%	Pass
Channel 7	5.0000 V	5.000822 V	4.997500 V	5.002500 V	46.00 e-06 V	0,000822 V	32.9%	Pass
Channel 7	10.0000 V	10.000059 V	9.996000 V	10.004000 V	87.00 e-06 V	0,000059 V	1.46%	Pass
Channel 7	12.0000 V	12.000188 V	11.995400 V	12.004600 V	170.00 e-06 V	0,000188 V	4.09%	Pass
Channel 8	0.5000 V	0.499298 V	0.498850 V	0.501150 V	6.90 e-06 V	-0,000702 V	61.1%	Pass
Channel 8	1.0000 V	1.000184 V	0.998700 V	1.001300 V	11.00 e-06 V	0,000184 V	14.2%	Pass
Channel 8	2.0000 V	1.999250 V	1.998400 V	2.001600 V	21.00 e-06 V	-0,000750 V	46.9%	Pass
Channel 8	5.0000 V	4.999958 V	4.997500 V	5.002500 V	46.00 e-06 V	-0,000042 V	1.68%	Pass
Channel 8	10.0000 V	10.000098 V	9.996000 V	10.004000 V	87.00 e-06 V	0,000098 V	2.44%	Pass
Channel 8	12.0000 V	12.000273 V	11.995400 V	12.004600 V	170.00 e-06 V	0,000273 V	5.94%	Pass
Excitation Current Calibration								
Accuracy: 0.05% of Value ±2uA								

11. Testergebnisse / Test results

Test Description	True Value	Test Result	Lower limit	Upper limit	Exp Uncert	Error	% of Tol	Status
Channel 1	0.2000 mA	0.200288 mA	0.197900 mA	0.202100 mA	14.00 e-06 mA	0,000288 mA	13.7%	Pass
Channel 1	1.0000 mA	1.000072 mA	0.997500 mA	1.002500 mA	42.00 e-06 mA	0,000072 mA	2.89%	Pass
Channel 1	5.0000 mA	4.999356 mA	4.995500 mA	5.004500 mA	240.00 e-06 mA	-0,000644 mA	14.3%	Pass
Channel 1	20.0000 mA	19.996238 mA	19.988000 mA	20.012000 mA	1.80 e-03 mA	-0,003762 mA	31.3%	Pass
Channel 2	0.2000 mA	0.200050 mA	0.197900 mA	0.202100 mA	14.00 e-06 mA	0,000050 mA	2.4%	Pass
Channel 2	1.0000 mA	1.000281 mA	0.997500 mA	1.002500 mA	42.00 e-06 mA	0,000281 mA	11.2%	Pass
Channel 2	5.0000 mA	4.999202 mA	4.995500 mA	5.004500 mA	240.00 e-06 mA	-0,000798 mA	17.7%	Pass
Channel 2	20.0000 mA	19.995613 mA	19.988000 mA	20.012000 mA	1.80 e-03 mA	-0,004387 mA	36.6%	Pass
Channel 3	0.2000 mA	0.200309 mA	0.197900 mA	0.202100 mA	14.00 e-06 mA	0,000309 mA	14.7%	Pass
Channel 3	1.0000 mA	0.999743 mA	0.997500 mA	1.002500 mA	42.00 e-06 mA	-0,000257 mA	10.3%	Pass
Channel 3	5.0000 mA	4.999852 mA	4.995500 mA	5.004500 mA	240.00 e-06 mA	-0,000148 mA	3.28%	Pass
Channel 3	20.0000 mA	19.996323 mA	19.988000 mA	20.012000 mA	1.80 e-03 mA	-0,003677 mA	30.6%	Pass
Channel 4	0.2000 mA	0.200032 mA	0.197900 mA	0.202100 mA	14.00 e-06 mA	0,000032 mA	1.5%	Pass
Channel 4	1.0000 mA	0.999889 mA	0.997500 mA	1.002500 mA	42.00 e-06 mA	-0,000111 mA	4.43%	Pass
Channel 4	5.0000 mA	5.000246 mA	4.995500 mA	5.004500 mA	240.00 e-06 mA	0,000246 mA	5.47%	Pass
Channel 4	20.0000 mA	19.995993 mA	19.988000 mA	20.012000 mA	1.80 e-03 mA	-0,004007 mA	33.4%	Pass
Channel 5	0.2000 mA	0.200114 mA	0.197900 mA	0.202100 mA	14.00 e-06 mA	0,000114 mA	5.44%	Pass
Channel 5	1.0000 mA	1.000139 mA	0.997500 mA	1.002500 mA	42.00 e-06 mA	0,000139 mA	5.54%	Pass
Channel 5	5.0000 mA	4.999273 mA	4.995500 mA	5.004500 mA	240.00 e-06 mA	-0,000727 mA	16.1%	Pass
Channel 5	20.0000 mA	19.996481 mA	19.988000 mA	20.012000 mA	1.80 e-03 mA	-0,003519 mA	29.3%	Pass
Channel 6	0.2000 mA	0.200055 mA	0.197900 mA	0.202100 mA	14.00 e-06 mA	0,000055 mA	2.61%	Pass
Channel 6	1.0000 mA	0.999943 mA	0.997500 mA	1.002500 mA	42.00 e-06 mA	-0,000057 mA	2.27%	Pass
Channel 6	5.0000 mA	4.999454 mA	4.995500 mA	5.004500 mA	240.00 e-06 mA	-0,000546 mA	12.1%	Pass
Channel 6	20.0000 mA	19.997094 mA	19.988000 mA	20.012000 mA	1.80 e-03 mA	-0,002906 mA	24.2%	Pass
Channel 7	0.2000 mA	0.200371 mA	0.197900 mA	0.202100 mA	14.00 e-06 mA	0,000371 mA	17.7%	Pass
Channel 7	1.0000 mA	1.000228 mA	0.997500 mA	1.002500 mA	42.00 e-06 mA	0,000228 mA	9.1%	Pass
Channel 7	5.0000 mA	5.000275 mA	4.995500 mA	5.004500 mA	240.00 e-06 mA	0,000275 mA	6.11%	Pass
Channel 7	20.0000 mA	19.998238 mA	19.988000 mA	20.012000 mA	1.80 e-03 mA	-0,001762 mA	14.7%	Pass
Channel 8	0.2000 mA	0.199718 mA	0.197900 mA	0.202100 mA	14.00 e-06 mA	-0,000282 mA	13.4%	Pass
Channel 8	1.0000 mA	0.999696 mA	0.997500 mA	1.002500 mA	42.00 e-06 mA	-0,000304 mA	12.2%	Pass
Channel 8	5.0000 mA	4.999346 mA	4.995500 mA	5.004500 mA	240.00 e-06 mA	-0,000654 mA	14.5%	Pass
Channel 8	20.0000 mA	19.996899 mA	19.988000 mA	20.012000 mA	1.80 e-03 mA	-0,003101 mA	25.8%	Pass

Performing Amplifier Zero Balance — Pass (1)

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

AC Accuracy: (additional to DC tolerance, not specified by manufacturer)
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: 0.01V
################################

Test @ 0V DC

Channel 1	0.000000 V	0.000003 V	-0.000022 V	0.000022 V	3.40 e-06 V	0,000003 V	15.2%	Pass
Channel 2	0.000000 V	0.000002 V	-0.000022 V	0.000022 V	3.40 e-06 V	0,000002 V	10%	Pass
Channel 3	0.000000 V	0.000003 V	-0.000022 V	0.000022 V	3.40 e-06 V	0,000003 V	15.3%	Pass
Channel 4	0.000000 V	0.000002 V	-0.000022 V	0.000022 V	3.40 e-06 V	0,000002 V	11.1%	Pass
Channel 5	0.000000 V	0.000002 V	-0.000022 V	0.000022 V	3.40 e-06 V	0,000002 V	10.5%	Pass
Channel 6	0.000000 V	0.000002 V	-0.000022 V	0.000022 V	3.40 e-06 V	0,000002 V	9.01%	Pass
Channel 7	0.000000 V	0.000002 V	-0.000022 V	0.000022 V	3.40 e-06 V	0,000002 V	10.3%	Pass
Channel 8	0.000000 V	0.000002 V	-0.000022 V	0.000022 V	3.40 e-06 V	0,000002 V	7.9%	Pass

Test @ 0.001V DC

Channel 1	0.001000 V	0.001004 V	0.000978 V	0.001022 V	3.40 e-06 V	0,000004 V	16.1%	Pass
Channel 2	0.001000 V	0.001002 V	0.000978 V	0.001022 V	3.40 e-06 V	0,000002 V	9.2%	Pass
Channel 3	0.001000 V	0.001003 V	0.000978 V	0.001022 V	3.40 e-06 V	0,000003 V	15.1%	Pass
Channel 4	0.001000 V	0.001003 V	0.000978 V	0.001022 V	3.40 e-06 V	0,000003 V	11.9%	Pass
Channel 5	0.001000 V	0.001002 V	0.000978 V	0.001022 V	3.40 e-06 V	0,000002 V	10.6%	Pass
Channel 6	0.001000 V	0.001002 V	0.000978 V	0.001022 V	3.40 e-06 V	0,000002 V	8.12%	Pass
Channel 7	0.001000 V	0.001003 V	0.000978 V	0.001022 V	3.40 e-06 V	0,000003 V	11.8%	Pass
Channel 8	0.001000 V	0.001002 V	0.000978 V	0.001022 V	3.40 e-06 V	0,000002 V	7.06%	Pass

Test @ 0.005V DC

Channel 1	0.005000 V	0.005004 V	0.004977 V	0.005023 V	3.40 e-06 V	0,000004 V	16.7%	Pass
Channel 2	0.005000 V	0.005002 V	0.004977 V	0.005023 V	3.40 e-06 V	0,000002 V	8.72%	Pass
Channel 3	0.005000 V	0.005004 V	0.004977 V	0.005023 V	3.40 e-06 V	0,000004 V	16.1%	Pass
Channel 4	0.005000 V	0.005003 V	0.004977 V	0.005023 V	3.40 e-06 V	0,000003 V	13%	Pass
Channel 5	0.005000 V	0.005003 V	0.004977 V	0.005023 V	3.40 e-06 V	0,000003 V	11.1%	Pass

11. Testergebnisse / Test results

Test Description	True Value	Test Result	Lower limit	Upper limit	Exp Uncert	Error	% of Tol	Status
Channel 6	0.005000 V	0.005002 V	0.004977 V	0.005023 V	3.40 e-06 V	0,000002 V	7.3%	Pass
Channel 7	0.005000 V	0.005003 V	0.004977 V	0.005023 V	3.40 e-06 V	0,000003 V	14%	Pass
Channel 8	0.005000 V	0.005002 V	0.004977 V	0.005023 V	3.40 e-06 V	0,000002 V	6.67%	Pass
Test @ 0.009V DC								
Channel 1	0.009000 V	0.009005 V	0.008976 V	0.009024 V	3.50 e-06 V	0,000005 V	18.9%	Pass
Channel 2	0.009000 V	0.009002 V	0.008976 V	0.009024 V	3.50 e-06 V	0,000002 V	8.08%	Pass
Channel 3	0.009000 V	0.009004 V	0.008976 V	0.009024 V	3.50 e-06 V	0,000004 V	17.6%	Pass
Channel 4	0.009000 V	0.009003 V	0.008976 V	0.009024 V	3.50 e-06 V	0,000003 V	13.9%	Pass
Channel 5	0.009000 V	0.009003 V	0.008976 V	0.009024 V	3.50 e-06 V	0,000003 V	12.3%	Pass
Channel 6	0.009000 V	0.009001 V	0.008976 V	0.009024 V	3.50 e-06 V	0,000001 V	5.14%	Pass
Channel 7	0.009000 V	0.009004 V	0.008976 V	0.009024 V	3.50 e-06 V	0,000004 V	14.9%	Pass
Channel 8	0.009000 V	0.009002 V	0.008976 V	0.009024 V	3.50 e-06 V	0,000002 V	7.21%	Pass
Test @ -0.009V DC								
Channel 1	-0.009000 V	-0.008998 V	-0.009024 V	-0.008976 V	3.50 e-06 V	0,000002 V	8.67%	Pass
Channel 2	-0.009000 V	-0.008998 V	-0.009024 V	-0.008976 V	3.50 e-06 V	0,000002 V	8.95%	Pass
Channel 3	-0.009000 V	-0.008998 V	-0.009024 V	-0.008976 V	3.50 e-06 V	0,000002 V	9.29%	Pass
Channel 4	-0.009000 V	-0.008999 V	-0.009024 V	-0.008976 V	3.50 e-06 V	0,000001 V	4.2%	Pass
Channel 5	-0.009000 V	-0.008999 V	-0.009024 V	-0.008976 V	3.50 e-06 V	0,000001 V	5.63%	Pass
Channel 6	-0.009000 V	-0.008998 V	-0.009024 V	-0.008976 V	3.50 e-06 V	0,000002 V	7.62%	Pass
Channel 7	-0.009000 V	-0.008999 V	-0.009024 V	-0.008976 V	3.50 e-06 V	0,000001 V	4.45%	Pass
Channel 8	-0.009000 V	-0.008999 V	-0.009024 V	-0.008976 V	3.50 e-06 V	0,000001 V	4.51%	Pass
Test @ 0.001V_RMS @ 1000Hz								
Channel 1	0.001000 V	0.001000 V	0.000978 V	0.001022 V	8.40 e-06 V	0,000000 V	0.444%	Pass
Channel 2	0.001000 V	0.001000 V	0.000978 V	0.001022 V	8.40 e-06 V	0,000000 V	1%	Pass
Channel 3	0.001000 V	0.001000 V	0.000978 V	0.001022 V	8.40 e-06 V	0,000000 V	0.56%	Pass
Channel 4	0.001000 V	0.001000 V	0.000978 V	0.001022 V	8.40 e-06 V	0,000000 V	0.441%	Pass
Channel 5	0.001000 V	0.001000 V	0.000978 V	0.001022 V	8.40 e-06 V	0,000000 V	0.559%	Pass
Channel 6	0.001000 V	0.001000 V	0.000978 V	0.001022 V	8.40 e-06 V	0,000000 V	1.09%	Pass
Channel 7	0.001000 V	0.001000 V	0.000978 V	0.001022 V	8.40 e-06 V	0,000000 V	0.402%	Pass
Channel 8	0.001000 V	0.001000 V	0.000978 V	0.001022 V	8.40 e-06 V	0,000000 V	0.851%	Pass
Test @ 0.007V_RMS @ 20Hz								
Channel 1	0.007000 V	0.007001 V	0.006977 V	0.007023 V	15.00 e-06 V	0,000001 V	3.63%	Pass
Channel 2	0.007000 V	0.007000 V	0.006977 V	0.007023 V	15.00 e-06 V	0,000000 V	0.598%	Pass
Channel 3	0.007000 V	0.007001 V	0.006977 V	0.007023 V	15.00 e-06 V	0,000001 V	2.89%	Pass
Channel 4	0.007000 V	0.007001 V	0.006977 V	0.007023 V	15.00 e-06 V	0,000001 V	3.32%	Pass
Channel 5	0.007000 V	0.007001 V	0.006977 V	0.007023 V	15.00 e-06 V	0,000001 V	2.28%	Pass
Channel 6	0.007000 V	0.007000 V	0.006977 V	0.007023 V	15.00 e-06 V	0,000000 V	1.35%	Pass
Channel 7	0.007000 V	0.007001 V	0.006977 V	0.007023 V	15.00 e-06 V	0,000001 V	3.55%	Pass
Channel 8	0.007000 V	0.007000 V	0.006977 V	0.007023 V	15.00 e-06 V	0,000000 V	0.499%	Pass
Test @ 0.007V_RMS @ 50Hz								
Channel 1	0.007000 V	0.007001 V	0.006977 V	0.007023 V	9.50 e-06 V	0,000001 V	5.61%	Pass
Channel 2	0.007000 V	0.007000 V	0.006977 V	0.007023 V	9.50 e-06 V	0,000000 V	2.02%	Pass
Channel 3	0.007000 V	0.007001 V	0.006977 V	0.007023 V	9.50 e-06 V	0,000001 V	4.77%	Pass
Channel 4	0.007000 V	0.007002 V	0.006977 V	0.007023 V	9.50 e-06 V	0,000002 V	7.48%	Pass
Channel 5	0.007000 V	0.007002 V	0.006977 V	0.007023 V	9.50 e-06 V	0,000002 V	7.52%	Pass
Channel 6	0.007000 V	0.007001 V	0.006977 V	0.007023 V	9.50 e-06 V	0,000001 V	4.27%	Pass
Channel 7	0.007000 V	0.007002 V	0.006977 V	0.007023 V	9.50 e-06 V	0,000002 V	9.96%	Pass
Channel 8	0.007000 V	0.007002 V	0.006977 V	0.007023 V	9.50 e-06 V	0,000002 V	7.54%	Pass
Test @ 0.007V_RMS @ 1000Hz								
Channel 1	0.007000 V	0.007001 V	0.006977 V	0.007023 V	9.50 e-06 V	0,000001 V	2.51%	Pass
Channel 2	0.007000 V	0.007000 V	0.006977 V	0.007023 V	9.50 e-06 V	0,000000 V	1.84%	Pass
Channel 3	0.007000 V	0.007000 V	0.006977 V	0.007023 V	9.50 e-06 V	0,000000 V	1.64%	Pass
Channel 4	0.007000 V	0.007000 V	0.006977 V	0.007023 V	9.50 e-06 V	0,000000 V	2.02%	Pass
Channel 5	0.007000 V	0.007000 V	0.006977 V	0.007023 V	9.50 e-06 V	0,000000 V	1.21%	Pass
Channel 6	0.007000 V	0.006999 V	0.006977 V	0.007023 V	9.50 e-06 V	-0,000001 V	2.55%	Pass
Channel 7	0.007000 V	0.007001 V	0.006977 V	0.007023 V	9.50 e-06 V	0,000001 V	2.31%	Pass
Channel 8	0.007000 V	0.007000 V	0.006977 V	0.007023 V	9.50 e-06 V	0,000000 V	0.684%	Pass
Range: 0.03V								
##############################								
Test @ 0.003V DC								
Channel 1	0.003000 V	0.003004 V	0.002973 V	0.003027 V	3.40 e-06 V	0,000004 V	14.1%	Pass
Channel 2	0.003000 V	0.003002 V	0.002973 V	0.003027 V	3.40 e-06 V	0,000002 V	7.44%	Pass
Channel 3	0.003000 V	0.003003 V	0.002973 V	0.003027 V	3.40 e-06 V	0,000003 V	12.2%	Pass
Channel 4	0.003000 V	0.003002 V	0.002973 V	0.003027 V	3.40 e-06 V	0,000002 V	7.94%	Pass
Channel 5	0.003000 V	0.003002 V	0.002973 V	0.003027 V	3.40 e-06 V	0,000002 V	7.81%	Pass
Channel 6	0.003000 V	0.003002 V	0.002973 V	0.003027 V	3.40 e-06 V	0,000002 V	6.63%	Pass
Channel 7	0.003000 V	0.003002 V	0.002973 V	0.003027 V	3.40 e-06 V	0,000002 V	9.06%	Pass
Channel 8	0.003000 V	0.003001 V	0.002973 V	0.003027 V	3.40 e-06 V	0,000001 V	4.49%	Pass
Test @ 0.015V DC								
Channel 1	0.015000 V	0.015003 V	0.014971 V	0.015029 V	3.50 e-06 V	0,000003 V	10.8%	Pass

11. Testergebnisse / Test results

Test Description	True Value	Test Result	Lower limit	Upper limit	Exp Uncert	Error	% of Tol	Status
Channel 2	0.015000 V	0.015001 V	0.014971 V	0.015029 V	3.50 e-06 V	0,000001 V	4.83%	Pass
Channel 3	0.015000 V	0.015002 V	0.014971 V	0.015029 V	3.50 e-06 V	0,000002 V	7.82%	Pass
Channel 4	0.015000 V	0.015002 V	0.014971 V	0.015029 V	3.50 e-06 V	0,000002 V	8.16%	Pass
Channel 5	0.015000 V	0.015002 V	0.014971 V	0.015029 V	3.50 e-06 V	0,000002 V	6.55%	Pass
Channel 6	0.015000 V	0.015003 V	0.014971 V	0.015029 V	3.50 e-06 V	0,000003 V	9.89%	Pass
Channel 7	0.015000 V	0.015002 V	0.014971 V	0.015029 V	3.50 e-06 V	0,000002 V	6.21%	Pass
Channel 8	0.015000 V	0.015000 V	0.014971 V	0.015029 V	3.50 e-06 V	0,000000 V	1.15%	Pass
Test @ 0.027V DC								
Channel 1	0.027000 V	0.027003 V	0.026969 V	0.027031 V	3.60 e-06 V	0,000003 V	8.49%	Pass
Channel 2	0.027000 V	0.027001 V	0.026969 V	0.027031 V	3.60 e-06 V	0,000001 V	4.25%	Pass
Channel 3	0.027000 V	0.027001 V	0.026969 V	0.027031 V	3.60 e-06 V	0,000001 V	4.14%	Pass
Channel 4	0.027000 V	0.027003 V	0.026969 V	0.027031 V	3.60 e-06 V	0,000003 V	8.6%	Pass
Channel 5	0.027000 V	0.027002 V	0.026969 V	0.027031 V	3.60 e-06 V	0,000002 V	5.94%	Pass
Channel 6	0.027000 V	0.027004 V	0.026969 V	0.027031 V	3.60 e-06 V	0,000004 V	11.5%	Pass
Channel 7	0.027000 V	0.027002 V	0.026969 V	0.027031 V	3.60 e-06 V	0,000002 V	4.88%	Pass
Channel 8	0.027000 V	0.026999 V	0.026969 V	0.027031 V	3.60 e-06 V	-0,000001 V	2.55%	Pass
Test @ -0.027V DC								
Channel 1	-0.027000 V	-0.026996 V	-0.027031 V	-0.026969 V	3.60 e-06 V	0,000004 V	14.1%	Pass
Channel 2	-0.027000 V	-0.026997 V	-0.027031 V	-0.026969 V	3.60 e-06 V	0,000003 V	9.55%	Pass
Channel 3	-0.027000 V	-0.026994 V	-0.027031 V	-0.026969 V	3.60 e-06 V	0,000006 V	19.2%	Pass
Channel 4	-0.027000 V	-0.026998 V	-0.027031 V	-0.026969 V	3.60 e-06 V	0,000002 V	4.99%	Pass
Channel 5	-0.027000 V	-0.026998 V	-0.027031 V	-0.026969 V	3.60 e-06 V	0,000002 V	7.11%	Pass
Channel 6	-0.027000 V	-0.027000 V	-0.027031 V	-0.026969 V	3.60 e-06 V	0,000000 V	0.955%	Pass
Channel 7	-0.027000 V	-0.026997 V	-0.027031 V	-0.026969 V	3.60 e-06 V	0,000003 V	9.66%	Pass
Channel 8	-0.027000 V	-0.026996 V	-0.027031 V	-0.026969 V	3.60 e-06 V	0,000004 V	12.6%	Pass
Test @ 0.021V_RMS @ 20Hz								
Channel 1	0.021000 V	0.020999 V	0.020970 V	0.021030 V	30.00 e-06 V	-0,000001 V	2.87%	Pass Inc
Channel 2	0.021000 V	0.020999 V	0.020970 V	0.021030 V	30.00 e-06 V	-0,000001 V	2.65%	Pass Inc
Channel 3	0.021000 V	0.020998 V	0.020970 V	0.021030 V	30.00 e-06 V	-0,000002 V	6.62%	Pass Inc
Channel 4	0.021000 V	0.021000 V	0.020970 V	0.021030 V	30.00 e-06 V	0,000000 V	1.21%	Pass Inc
Channel 5	0.021000 V	0.021000 V	0.020970 V	0.021030 V	30.00 e-06 V	0,000000 V	0.773%	Pass Inc
Channel 6	0.021000 V	0.021001 V	0.020970 V	0.021030 V	30.00 e-06 V	0,000001 V	3.97%	Pass Inc
Channel 7	0.021000 V	0.020999 V	0.020970 V	0.021030 V	30.00 e-06 V	-0,000001 V	2.54%	Pass Inc
Channel 8	0.021000 V	0.020998 V	0.020970 V	0.021030 V	30.00 e-06 V	-0,000002 V	7.06%	Pass Inc
Test @ 0.021V_RMS @ 50Hz								
Channel 1	0.021000 V	0.021000 V	0.020970 V	0.021030 V	12.00 e-06 V	0,000000 V	0.331%	Pass
Channel 2	0.021000 V	0.021000 V	0.020970 V	0.021030 V	12.00 e-06 V	0,000000 V	1.1%	Pass
Channel 3	0.021000 V	0.020999 V	0.020970 V	0.021030 V	12.00 e-06 V	-0,000001 V	2.1%	Pass
Channel 4	0.021000 V	0.021002 V	0.020970 V	0.021030 V	12.00 e-06 V	0,000002 V	6.51%	Pass
Channel 5	0.021000 V	0.021002 V	0.020970 V	0.021030 V	12.00 e-06 V	0,000002 V	5.52%	Pass
Channel 6	0.021000 V	0.021003 V	0.020970 V	0.021030 V	12.00 e-06 V	0,000003 V	10.8%	Pass
Channel 7	0.021000 V	0.021001 V	0.020970 V	0.021030 V	12.00 e-06 V	0,000001 V	4.97%	Pass
Channel 8	0.021000 V	0.021000 V	0.020970 V	0.021030 V	12.00 e-06 V	0,000000 V	0.662%	Pass
Test @ 0.021V_RMS @ 1000Hz								
Channel 1	0.021000 V	0.020998 V	0.020970 V	0.021030 V	12.00 e-06 V	-0,000002 V	8.17%	Pass
Channel 2	0.021000 V	0.020997 V	0.020970 V	0.021030 V	12.00 e-06 V	-0,000003 V	8.28%	Pass
Channel 3	0.021000 V	0.020996 V	0.020970 V	0.021030 V	12.00 e-06 V	-0,000004 V	12.4%	Pass
Channel 4	0.021000 V	0.020999 V	0.020970 V	0.021030 V	12.00 e-06 V	-0,000001 V	4.42%	Pass
Channel 5	0.021000 V	0.020998 V	0.020970 V	0.021030 V	12.00 e-06 V	-0,000002 V	6.18%	Pass
Channel 6	0.021000 V	0.021000 V	0.020970 V	0.021030 V	12.00 e-06 V	0,000000 V	1.55%	Pass
Channel 7	0.021000 V	0.020998 V	0.020970 V	0.021030 V	12.00 e-06 V	-0,000002 V	7.95%	Pass
Channel 8	0.021000 V	0.020996 V	0.020970 V	0.021030 V	12.00 e-06 V	-0,000004 V	12.6%	Pass
Range: 0.1V								
################################								
Test @ 0.01V DC								
Channel 1	0.010000 V	0.010004 V	0.009958 V	0.010042 V	3.50 e-06 V	0,000004 V	9.76%	Pass
Channel 2	0.010000 V	0.010002 V	0.009958 V	0.010042 V	3.50 e-06 V	0,000002 V	5.63%	Pass
Channel 3	0.010000 V	0.010004 V	0.009958 V	0.010042 V	3.50 e-06 V	0,000004 V	9.13%	Pass
Channel 4	0.010000 V	0.010003 V	0.009958 V	0.010042 V	3.50 e-06 V	0,000003 V	6.67%	Pass
Channel 5	0.010000 V	0.010003 V	0.009958 V	0.010042 V	3.50 e-06 V	0,000003 V	6.51%	Pass
Channel 6	0.010000 V	0.010003 V	0.009958 V	0.010042 V	3.50 e-06 V	0,000003 V	6.75%	Pass
Channel 7	0.010000 V	0.010003 V	0.009958 V	0.010042 V	3.50 e-06 V	0,000003 V	6.11%	Pass
Channel 8	0.010000 V	0.010002 V	0.009958 V	0.010042 V	3.50 e-06 V	0,000002 V	4.6%	Pass
Test @ 0.05V DC								
Channel 1	0.050000 V	0.050005 V	0.049950 V	0.050050 V	3.80 e-06 V	0,000005 V	10.1%	Pass
Channel 2	0.050000 V	0.050003 V	0.049950 V	0.050050 V	3.80 e-06 V	0,000003 V	6.4%	Pass
Channel 3	0.050000 V	0.050003 V	0.049950 V	0.050050 V	3.80 e-06 V	0,000003 V	6.07%	Pass
Channel 4	0.050000 V	0.050003 V	0.049950 V	0.050050 V	3.80 e-06 V	0,000003 V	5.93%	Pass
Channel 5	0.050000 V	0.050004 V	0.049950 V	0.050050 V	3.80 e-06 V	0,000004 V	8.87%	Pass
Channel 6	0.050000 V	0.050005 V	0.049950 V	0.050050 V	3.80 e-06 V	0,000005 V	9.33%	Pass
Channel 7	0.050000 V	0.050002 V	0.049950 V	0.050050 V	3.80 e-06 V	0,000002 V	3.6%	Pass

11. Testergebnisse / Test results

Test Description	True Value	Test Result	Lower limit	Upper limit	Exp Uncert	Error	% of Tol	Status
Channel 8	0.050000 V	0.050001 V	0.049950 V	0.050050 V	3.80 e-06 V	0,000001 V	1.13%	Pass
Test @ 0.09V DC								
Channel 1	0.090000 V	0.090005 V	0.089942 V	0.090058 V	4.10 e-06 V	0,000005 V	7.93%	Pass
Channel 2	0.090000 V	0.090002 V	0.089942 V	0.090058 V	4.10 e-06 V	0,000002 V	4.25%	Pass
Channel 3	0.090000 V	0.090001 V	0.089942 V	0.090058 V	4.10 e-06 V	0,000001 V	2.36%	Pass
Channel 4	0.090000 V	0.090001 V	0.089942 V	0.090058 V	4.10 e-06 V	0,000001 V	2.59%	Pass
Channel 5	0.090000 V	0.090005 V	0.089942 V	0.090058 V	4.10 e-06 V	0,000005 V	8.51%	Pass
Channel 6	0.090000 V	0.090005 V	0.089942 V	0.090058 V	4.10 e-06 V	0,000005 V	9.37%	Pass
Channel 7	0.090000 V	0.090000 V	0.089942 V	0.090058 V	4.10 e-06 V	0,000000 V	0.805%	Pass
Channel 8	0.090000 V	0.089998 V	0.089942 V	0.090058 V	4.10 e-06 V	-0,000002 V	3.28%	Pass
Test @ -0.09V DC								
Channel 1	-0.090000 V	-0.089998 V	-0.090058 V	-0.089942 V	4.10 e-06 V	0,000002 V	3.39%	Pass
Channel 2	-0.090000 V	-0.089999 V	-0.090058 V	-0.089942 V	4.10 e-06 V	0,000001 V	2.07%	Pass
Channel 3	-0.090000 V	-0.089994 V	-0.090058 V	-0.089942 V	4.10 e-06 V	0,000006 V	11.1%	Pass
Channel 4	-0.090000 V	-0.089998 V	-0.090058 V	-0.089942 V	4.10 e-06 V	0,000002 V	3.68%	Pass
Channel 5	-0.090000 V	-0.090001 V	-0.090058 V	-0.089942 V	4.10 e-06 V	-0,000001 V	0.92%	Pass
Channel 6	-0.090000 V	-0.090002 V	-0.090058 V	-0.089942 V	4.10 e-06 V	-0,000002 V	3.33%	Pass
Channel 7	-0.090000 V	-0.089995 V	-0.090058 V	-0.089942 V	4.10 e-06 V	0,000005 V	9.37%	Pass
Channel 8	-0.090000 V	-0.089995 V	-0.090058 V	-0.089942 V	4.10 e-06 V	0,000005 V	8.74%	Pass
Test @ 0.07V_RMS @ 20Hz								
Channel 1	0.070000 V	0.070001 V	0.069946 V	0.070054 V	37.00 e-06 V	0,000001 V	2.28%	Pass
Channel 2	0.070000 V	0.070001 V	0.069946 V	0.070054 V	37.00 e-06 V	0,000001 V	1.17%	Pass
Channel 3	0.070000 V	0.069998 V	0.069946 V	0.070054 V	37.00 e-06 V	-0,000002 V	3.33%	Pass
Channel 4	0.070000 V	0.070000 V	0.069946 V	0.070054 V	37.00 e-06 V	0,000000 V	0.617%	Pass
Channel 5	0.070000 V	0.070002 V	0.069946 V	0.070054 V	37.00 e-06 V	0,000002 V	3.46%	Pass
Channel 6	0.070000 V	0.070002 V	0.069946 V	0.070054 V	37.00 e-06 V	0,000002 V	4.44%	Pass
Channel 7	0.070000 V	0.069998 V	0.069946 V	0.070054 V	37.00 e-06 V	-0,000002 V	4.57%	Pass
Channel 8	0.070000 V	0.069997 V	0.069946 V	0.070054 V	37.00 e-06 V	-0,000003 V	5.74%	Pass
Test @ 0.07V_RMS @ 50Hz								
Channel 1	0.070000 V	0.069999 V	0.069946 V	0.070054 V	23.00 e-06 V	-0,000001 V	1.54%	Pass
Channel 2	0.070000 V	0.069998 V	0.069946 V	0.070054 V	23.00 e-06 V	-0,000002 V	2.84%	Pass
Channel 3	0.070000 V	0.069996 V	0.069946 V	0.070054 V	23.00 e-06 V	-0,000004 V	7.28%	Pass
Channel 4	0.070000 V	0.069998 V	0.069946 V	0.070054 V	23.00 e-06 V	-0,000002 V	4.26%	Pass
Channel 5	0.070000 V	0.070000 V	0.069946 V	0.070054 V	23.00 e-06 V	0,000000 V	0.432%	Pass
Channel 6	0.070000 V	0.070001 V	0.069946 V	0.070054 V	23.00 e-06 V	0,000001 V	1.6%	Pass
Channel 7	0.070000 V	0.069996 V	0.069946 V	0.070054 V	23.00 e-06 V	-0,000004 V	7.65%	Pass
Channel 8	0.070000 V	0.069995 V	0.069946 V	0.070054 V	23.00 e-06 V	-0,000005 V	8.7%	Pass
Test @ 0.07V_RMS @ 1000Hz								
Channel 1	0.070000 V	0.069995 V	0.069946 V	0.070054 V	23.00 e-06 V	-0,000005 V	9.26%	Pass
Channel 2	0.070000 V	0.069994 V	0.069946 V	0.070054 V	23.00 e-06 V	-0,000006 V	10.6%	Pass
Channel 3	0.070000 V	0.069992 V	0.069946 V	0.070054 V	23.00 e-06 V	-0,000008 V	15.4%	Pass
Channel 4	0.070000 V	0.069993 V	0.069946 V	0.070054 V	23.00 e-06 V	-0,000007 V	12.2%	Pass
Channel 5	0.070000 V	0.069996 V	0.069946 V	0.070054 V	23.00 e-06 V	-0,000004 V	7.72%	Pass
Channel 6	0.070000 V	0.069997 V	0.069946 V	0.070054 V	23.00 e-06 V	-0,000003 V	6.48%	Pass
Channel 7	0.070000 V	0.069992 V	0.069946 V	0.070054 V	23.00 e-06 V	-0,000008 V	15.4%	Pass
Channel 8	0.070000 V	0.069991 V	0.069946 V	0.070054 V	23.00 e-06 V	-0,000009 V	16.9%	Pass
Range: 0.3V								
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Test @ 0.03V DC								
Channel 1	0.030000 V	0.030004 V	0.029914 V	0.030086 V	3.60 e-06 V	0,000004 V	4.26%	Pass
Channel 2	0.030000 V	0.030002 V	0.029914 V	0.030086 V	3.60 e-06 V	0,000002 V	1.9%	Pass
Channel 3	0.030000 V	0.030002 V	0.029914 V	0.030086 V	3.60 e-06 V	0,000002 V	2.75%	Pass
Channel 4	0.030000 V	0.030001 V	0.029914 V	0.030086 V	3.60 e-06 V	0,000001 V	1.2%	Pass
Channel 5	0.030000 V	0.030003 V	0.029914 V	0.030086 V	3.60 e-06 V	0,000003 V	2.95%	Pass
Channel 6	0.030000 V	0.030003 V	0.029914 V	0.030086 V	3.60 e-06 V	0,000003 V	3.76%	Pass
Channel 7	0.030000 V	0.030001 V	0.029914 V	0.030086 V	3.60 e-06 V	0,000001 V	0.62%	Pass
Channel 8	0.030000 V	0.030000 V	0.029914 V	0.030086 V	3.60 e-06 V	0,000000 V	0.155%	Pass
Test @ 0.15V DC								
Channel 1	0.150000 V	0.150002 V	0.149890 V	0.150110 V	5.30 e-06 V	0,000002 V	1.82%	Pass
Channel 2	0.150000 V	0.149998 V	0.149890 V	0.150110 V	5.30 e-06 V	-0,000002 V	1.82%	Pass
Channel 3	0.150000 V	0.149997 V	0.149890 V	0.150110 V	5.30 e-06 V	-0,000003 V	2.73%	Pass
Channel 4	0.150000 V	0.149999 V	0.149890 V	0.150110 V	5.30 e-06 V	-0,000001 V	0.909%	Pass
Channel 5	0.150000 V	0.150002 V	0.149890 V	0.150110 V	5.30 e-06 V	0,000002 V	1.82%	Pass
Channel 6	0.150000 V	0.150005 V	0.149890 V	0.150110 V	5.30 e-06 V	0,000005 V	4.55%	Pass
Channel 7	0.150000 V	0.149993 V	0.149890 V	0.150110 V	5.30 e-06 V	-0,000007 V	6.67%	Pass
Channel 8	0.150000 V	0.149993 V	0.149890 V	0.150110 V	5.30 e-06 V	-0,000007 V	6.06%	Pass
Test @ 0.27V DC								
Channel 1	0.270000 V	0.270003 V	0.269866 V	0.270134 V	8.20 e-06 V	0,000003 V	1.99%	Pass
Channel 2	0.270000 V	0.269996 V	0.269866 V	0.270134 V	8.20 e-06 V	-0,000004 V	2.99%	Pass
Channel 3	0.270000 V	0.269994 V	0.269866 V	0.270134 V	8.20 e-06 V	-0,000006 V	4.48%	Pass

11. Testergebnisse / Test results

Test Description	True Value	Test Result	Lower limit	Upper limit	Exp Uncert	Error	% of Tol	Status
Channel 4	0.270000 V	0.269999 V	0.269866 V	0.270134 V	8.20 e-06 V	-0,000001 V	0.746%	Pass
Channel 5	0.270000 V	0.270005 V	0.269866 V	0.270134 V	8.20 e-06 V	0,000005 V	3.73%	Pass
Channel 6	0.270000 V	0.270009 V	0.269866 V	0.270134 V	8.20 e-06 V	0,000009 V	6.72%	Pass
Channel 7	0.270000 V	0.269988 V	0.269866 V	0.270134 V	8.20 e-06 V	-0,000012 V	8.96%	Pass
Channel 8	0.270000 V	0.269990 V	0.269866 V	0.270134 V	8.20 e-06 V	-0,000010 V	7.46%	Pass
Test @ -0.27V DC								
Channel 1	-0.270000 V	-0.269994 V	-0.270134 V	-0.269866 V	8.20 e-06 V	0,000006 V	4.48%	Pass
Channel 2	-0.270000 V	-0.269990 V	-0.270134 V	-0.269866 V	8.20 e-06 V	0,000010 V	7.46%	Pass
Channel 3	-0.270000 V	-0.269985 V	-0.270134 V	-0.269866 V	8.20 e-06 V	0,000015 V	11.2%	Pass
Channel 4	-0.270000 V	-0.269995 V	-0.270134 V	-0.269866 V	8.20 e-06 V	0,000005 V	3.73%	Pass
Channel 5	-0.270000 V	-0.269999 V	-0.270134 V	-0.269866 V	8.20 e-06 V	0,000001 V	0.746%	Pass
Channel 6	-0.270000 V	-0.270003 V	-0.270134 V	-0.269866 V	8.20 e-06 V	-0,000003 V	2.24%	Pass
Channel 7	-0.270000 V	-0.269982 V	-0.270134 V	-0.269866 V	8.20 e-06 V	0,000018 V	13.4%	Pass
Channel 8	-0.270000 V	-0.269985 V	-0.270134 V	-0.269866 V	8.20 e-06 V	0,000015 V	11.2%	Pass
Test @ 0.21V RMS @ 20Hz								
Channel 1	0.210000 V	0.209999 V	0.209878 V	0.210122 V	90.00 e-06 V	-0,000001 V	0.82%	Pass
Channel 2	0.210000 V	0.209996 V	0.209878 V	0.210122 V	90.00 e-06 V	-0,000004 V	3.28%	Pass
Channel 3	0.210000 V	0.209993 V	0.209878 V	0.210122 V	90.00 e-06 V	-0,000007 V	5.74%	Pass
Channel 4	0.210000 V	0.209999 V	0.209878 V	0.210122 V	90.00 e-06 V	-0,000001 V	0.82%	Pass
Channel 5	0.210000 V	0.210003 V	0.209878 V	0.210122 V	90.00 e-06 V	0,000003 V	2.46%	Pass
Channel 6	0.210000 V	0.210006 V	0.209878 V	0.210122 V	90.00 e-06 V	0,000006 V	4.92%	Pass
Channel 7	0.210000 V	0.209990 V	0.209878 V	0.210122 V	90.00 e-06 V	-0,000010 V	8.2%	Pass
Channel 8	0.210000 V	0.209991 V	0.209878 V	0.210122 V	90.00 e-06 V	-0,000009 V	7.1%	Pass
Test @ 0.21V RMS @ 50Hz								
Channel 1	0.210000 V	0.210004 V	0.209878 V	0.210122 V	66.00 e-06 V	0,000004 V	3.28%	Pass
Channel 2	0.210000 V	0.210000 V	0.209878 V	0.210122 V	66.00 e-06 V	0,000000 V	0%	Pass
Channel 3	0.210000 V	0.209997 V	0.209878 V	0.210122 V	66.00 e-06 V	-0,000003 V	2.46%	Pass
Channel 4	0.210000 V	0.210003 V	0.209878 V	0.210122 V	66.00 e-06 V	0,000003 V	2.73%	Pass
Channel 5	0.210000 V	0.210007 V	0.209878 V	0.210122 V	66.00 e-06 V	0,000007 V	6.01%	Pass
Channel 6	0.210000 V	0.210011 V	0.209878 V	0.210122 V	66.00 e-06 V	0,000011 V	9.02%	Pass
Channel 7	0.210000 V	0.209995 V	0.209878 V	0.210122 V	66.00 e-06 V	-0,000005 V	4.37%	Pass
Channel 8	0.210000 V	0.209996 V	0.209878 V	0.210122 V	66.00 e-06 V	-0,000004 V	3.28%	Pass
Test @ 0.21V RMS @ 1000Hz								
Channel 1	0.210000 V	0.209983 V	0.209878 V	0.210122 V	66.00 e-06 V	-0,000017 V	13.9%	Pass
Channel 2	0.210000 V	0.209979 V	0.209878 V	0.210122 V	66.00 e-06 V	-0,000021 V	17.2%	Pass
Channel 3	0.210000 V	0.209976 V	0.209878 V	0.210122 V	66.00 e-06 V	-0,000024 V	19.7%	Pass
Channel 4	0.210000 V	0.209982 V	0.209878 V	0.210122 V	66.00 e-06 V	-0,000018 V	14.8%	Pass
Channel 5	0.210000 V	0.209986 V	0.209878 V	0.210122 V	66.00 e-06 V	-0,000014 V	11.5%	Pass
Channel 6	0.210000 V	0.209989 V	0.209878 V	0.210122 V	66.00 e-06 V	-0,000011 V	9.02%	Pass
Channel 7	0.210000 V	0.209973 V	0.209878 V	0.210122 V	66.00 e-06 V	-0,000027 V	22.1%	Pass
Channel 8	0.210000 V	0.209975 V	0.209878 V	0.210122 V	66.00 e-06 V	-0,000025 V	20.5%	Pass
Range: 1V								
################################								
Test @ 0.1V DC								
Channel 1	0.100000 V	0.100004 V	0.099760 V	0.100240 V	4.20 e-06 V	0,000004 V	1.67%	Pass
Channel 2	0.100000 V	0.100002 V	0.099760 V	0.100240 V	4.20 e-06 V	0,000002 V	0.694%	Pass
Channel 3	0.100000 V	0.099999 V	0.099760 V	0.100240 V	4.20 e-06 V	-0,000001 V	0.222%	Pass
Channel 4	0.100000 V	0.099999 V	0.099760 V	0.100240 V	4.20 e-06 V	-0,000001 V	0.236%	Pass
Channel 5	0.100000 V	0.100002 V	0.099760 V	0.100240 V	4.20 e-06 V	0,000002 V	0.833%	Pass
Channel 6	0.100000 V	0.100007 V	0.099760 V	0.100240 V	4.20 e-06 V	0,000007 V	2.92%	Pass
Channel 7	0.100000 V	0.099999 V	0.099760 V	0.100240 V	4.20 e-06 V	-0,000001 V	0.542%	Pass
Channel 8	0.100000 V	0.099998 V	0.099760 V	0.100240 V	4.20 e-06 V	-0,000002 V	0.681%	Pass
Test @ -0.1V DC								
Channel 1	-0.100000 V	-0.099996 V	-0.100240 V	-0.099760 V	4.20 e-06 V	0,000004 V	1.78%	Pass
Channel 2	-0.100000 V	-0.099993 V	-0.100240 V	-0.099760 V	4.20 e-06 V	0,000007 V	2.74%	Pass
Channel 3	-0.100000 V	-0.099990 V	-0.100240 V	-0.099760 V	4.20 e-06 V	0,000010 V	3.97%	Pass
Channel 4	-0.100000 V	-0.099998 V	-0.100240 V	-0.099760 V	4.20 e-06 V	0,000002 V	1.04%	Pass
Channel 5	-0.100000 V	-0.099999 V	-0.100240 V	-0.099760 V	4.20 e-06 V	0,000001 V	0.347%	Pass
Channel 6	-0.100000 V	-0.099997 V	-0.100240 V	-0.099760 V	4.20 e-06 V	0,000003 V	1.12%	Pass
Channel 7	-0.100000 V	-0.099992 V	-0.100240 V	-0.099760 V	4.20 e-06 V	0,000008 V	3.24%	Pass
Channel 8	-0.100000 V	-0.099993 V	-0.100240 V	-0.099760 V	4.20 e-06 V	0,000007 V	3.04%	Pass
Test @ 0.3V DC								
Channel 1	0.300000 V	0.300005 V	0.299720 V	0.300280 V	8.90 e-06 V	0,000005 V	1.79%	Pass
Channel 2	0.300000 V	0.299995 V	0.299720 V	0.300280 V	8.90 e-06 V	-0,000005 V	1.67%	Pass
Channel 3	0.300000 V	0.299991 V	0.299720 V	0.300280 V	8.90 e-06 V	-0,000009 V	3.21%	Pass
Channel 4	0.300000 V	0.299998 V	0.299720 V	0.300280 V	8.90 e-06 V	-0,000002 V	0.833%	Pass
Channel 5	0.300000 V	0.300005 V	0.299720 V	0.300280 V	8.90 e-06 V	0,000005 V	1.79%	Pass
Channel 6	0.300000 V	0.300011 V	0.299720 V	0.300280 V	8.90 e-06 V	0,000011 V	3.93%	Pass
Channel 7	0.300000 V	0.299991 V	0.299720 V	0.300280 V	8.90 e-06 V	-0,000009 V	3.21%	Pass
Channel 8	0.300000 V	0.299992 V	0.299720 V	0.300280 V	8.90 e-06 V	-0,000008 V	2.98%	Pass

11. Testergebnisse / Test results

Test Description	True Value	Test Result	Lower limit	Upper limit	Exp Uncert	Error	% of Tol	Status
Test @ 0.5V DC								
Channel 1	0.500000 V	0.500006 V	0.499680 V	0.500320 V	9.80 e-06 V	0,000006 V	1.87%	Pass
Channel 2	0.500000 V	0.499993 V	0.499680 V	0.500320 V	9.80 e-06 V	-0,000007 V	2.08%	Pass
Channel 3	0.500000 V	0.499984 V	0.499680 V	0.500320 V	9.80 e-06 V	-0,000016 V	5%	Pass
Channel 4	0.500000 V	0.499996 V	0.499680 V	0.500320 V	9.80 e-06 V	-0,000004 V	1.35%	Pass
Channel 5	0.500000 V	0.500011 V	0.499680 V	0.500320 V	9.80 e-06 V	0,000011 V	3.44%	Pass
Channel 6	0.500000 V	0.500018 V	0.499680 V	0.500320 V	9.80 e-06 V	0,000018 V	5.52%	Pass
Channel 7	0.500000 V	0.499985 V	0.499680 V	0.500320 V	9.80 e-06 V	-0,000015 V	4.58%	Pass
Channel 8	0.500000 V	0.499987 V	0.499680 V	0.500320 V	9.80 e-06 V	-0,000013 V	3.96%	Pass
Test @ -0.5V DC								
Channel 1	-0.500000 V	-0.500003 V	-0.500320 V	-0.499680 V	9.80 e-06 V	-0,000003 V	0.833%	Pass
Channel 2	-0.500000 V	-0.499991 V	-0.500320 V	-0.499680 V	9.80 e-06 V	0,000009 V	2.92%	Pass
Channel 3	-0.500000 V	-0.499981 V	-0.500320 V	-0.499680 V	9.80 e-06 V	0,000019 V	6.04%	Pass
Channel 4	-0.500000 V	-0.499999 V	-0.500320 V	-0.499680 V	9.80 e-06 V	0,000001 V	0.312%	Pass
Channel 5	-0.500000 V	-0.500013 V	-0.500320 V	-0.499680 V	9.80 e-06 V	-0,000013 V	3.96%	Pass
Channel 6	-0.500000 V	-0.500013 V	-0.500320 V	-0.499680 V	9.80 e-06 V	-0,000013 V	4.17%	Pass
Channel 7	-0.500000 V	-0.499983 V	-0.500320 V	-0.499680 V	9.80 e-06 V	0,000017 V	5.42%	Pass
Channel 8	-0.500000 V	-0.499985 V	-0.500320 V	-0.499680 V	9.80 e-06 V	0,000015 V	4.79%	Pass
Test @ 0.7V DC								
Channel 1	0.700000 V	0.700012 V	0.699640 V	0.700360 V	13.00 e-06 V	0,000012 V	3.24%	Pass
Channel 2	0.700000 V	0.699993 V	0.699640 V	0.700360 V	13.00 e-06 V	-0,000007 V	1.94%	Pass
Channel 3	0.700000 V	0.699979 V	0.699640 V	0.700360 V	13.00 e-06 V	-0,000021 V	5.83%	Pass
Channel 4	0.700000 V	0.699997 V	0.699640 V	0.700360 V	13.00 e-06 V	-0,000003 V	0.741%	Pass
Channel 5	0.700000 V	0.700017 V	0.699640 V	0.700360 V	13.00 e-06 V	0,000017 V	4.72%	Pass
Channel 6	0.700000 V	0.700027 V	0.699640 V	0.700360 V	13.00 e-06 V	0,000027 V	7.41%	Pass
Channel 7	0.700000 V	0.699981 V	0.699640 V	0.700360 V	13.00 e-06 V	-0,000019 V	5.28%	Pass
Channel 8	0.700000 V	0.699982 V	0.699640 V	0.700360 V	13.00 e-06 V	-0,000018 V	5.09%	Pass
Test @ 0.9V DC								
Channel 1	0.900000 V	0.900019 V	0.899600 V	0.900400 V	15.00 e-06 V	0,000019 V	4.67%	Pass
Channel 2	0.900000 V	0.899996 V	0.899600 V	0.900400 V	15.00 e-06 V	-0,000004 V	1%	Pass
Channel 3	0.900000 V	0.899980 V	0.899600 V	0.900400 V	15.00 e-06 V	-0,000020 V	5.08%	Pass
Channel 4	0.900000 V	0.900006 V	0.899600 V	0.900400 V	15.00 e-06 V	0,000006 V	1.5%	Pass
Channel 5	0.900000 V	0.900029 V	0.899600 V	0.900400 V	15.00 e-06 V	0,000029 V	7.25%	Pass
Channel 6	0.900000 V	0.900040 V	0.899600 V	0.900400 V	15.00 e-06 V	0,000040 V	9.92%	Pass
Channel 7	0.900000 V	0.899980 V	0.899600 V	0.900400 V	15.00 e-06 V	-0,000020 V	4.92%	Pass
Channel 8	0.900000 V	0.899981 V	0.899600 V	0.900400 V	15.00 e-06 V	-0,000019 V	4.75%	Pass
Test @ -0.9V DC								
Channel 1	-0.900000 V	-0.900021 V	-0.900400 V	-0.899600 V	15.00 e-06 V	-0,000021 V	5.25%	Pass
Channel 2	-0.900000 V	-0.899998 V	-0.900400 V	-0.899600 V	15.00 e-06 V	0,000002 V	0.417%	Pass
Channel 3	-0.900000 V	-0.899976 V	-0.900400 V	-0.899600 V	15.00 e-06 V	0,000024 V	6.08%	Pass
Channel 4	-0.900000 V	-0.900011 V	-0.900400 V	-0.899600 V	15.00 e-06 V	-0,000011 V	2.83%	Pass
Channel 5	-0.900000 V	-0.900034 V	-0.900400 V	-0.899600 V	15.00 e-06 V	-0,000034 V	8.58%	Pass
Channel 6	-0.900000 V	-0.900039 V	-0.900400 V	-0.899600 V	15.00 e-06 V	-0,000039 V	9.75%	Pass
Channel 7	-0.900000 V	-0.899982 V	-0.900400 V	-0.899600 V	15.00 e-06 V	0,000018 V	4.58%	Pass
Channel 8	-0.900000 V	-0.899986 V	-0.900400 V	-0.899600 V	15.00 e-06 V	0,000014 V	3.42%	Pass
Test @ 0.1V RMS @ 20Hz								
Channel 1	0.100000 V	0.100001 V	0.099760 V	0.100240 V	48.00 e-06 V	0,000001 V	0.278%	Pass
Channel 2	0.100000 V	0.099998 V	0.099760 V	0.100240 V	48.00 e-06 V	-0,000002 V	0.847%	Pass
Channel 3	0.100000 V	0.099996 V	0.099760 V	0.100240 V	48.00 e-06 V	-0,000004 V	1.74%	Pass
Channel 4	0.100000 V	0.099999 V	0.099760 V	0.100240 V	48.00 e-06 V	-0,000001 V	0.278%	Pass
Channel 5	0.100000 V	0.100002 V	0.099760 V	0.100240 V	48.00 e-06 V	0,000002 V	0.833%	Pass
Channel 6	0.100000 V	0.100003 V	0.099760 V	0.100240 V	48.00 e-06 V	0,000003 V	1.25%	Pass
Channel 7	0.100000 V	0.099996 V	0.099760 V	0.100240 V	48.00 e-06 V	-0,000004 V	1.54%	Pass
Channel 8	0.100000 V	0.099997 V	0.099760 V	0.100240 V	48.00 e-06 V	-0,000003 V	1.35%	Pass
Test @ 0.1V RMS @ 50Hz								
Channel 1	0.100000 V	0.100002 V	0.099760 V	0.100240 V	29.00 e-06 V	0,000002 V	0.833%	Pass
Channel 2	0.100000 V	0.099999 V	0.099760 V	0.100240 V	29.00 e-06 V	-0,000001 V	0.222%	Pass
Channel 3	0.100000 V	0.099998 V	0.099760 V	0.100240 V	29.00 e-06 V	-0,000002 V	0.903%	Pass
Channel 4	0.100000 V	0.100001 V	0.099760 V	0.100240 V	29.00 e-06 V	0,000001 V	0.417%	Pass
Channel 5	0.100000 V	0.100004 V	0.099760 V	0.100240 V	29.00 e-06 V	0,000004 V	1.67%	Pass
Channel 6	0.100000 V	0.100005 V	0.099760 V	0.100240 V	29.00 e-06 V	0,000005 V	2.08%	Pass
Channel 7	0.100000 V	0.099998 V	0.099760 V	0.100240 V	29.00 e-06 V	-0,000002 V	0.639%	Pass
Channel 8	0.100000 V	0.099999 V	0.099760 V	0.100240 V	29.00 e-06 V	-0,000001 V	0.403%	Pass
Test @ 0.1V RMS @ 1000Hz								
Channel 1	0.100000 V	0.099994 V	0.099760 V	0.100240 V	29.00 e-06 V	-0,000006 V	2.69%	Pass
Channel 2	0.100000 V	0.099991 V	0.099760 V	0.100240 V	29.00 e-06 V	-0,000009 V	3.85%	Pass
Channel 3	0.100000 V	0.099989 V	0.099760 V	0.100240 V	29.00 e-06 V	-0,000011 V	4.63%	Pass
Channel 4	0.100000 V	0.099992 V	0.099760 V	0.100240 V	29.00 e-06 V	-0,000008 V	3.21%	Pass
Channel 5	0.100000 V	0.099995 V	0.099760 V	0.100240 V	29.00 e-06 V	-0,000005 V	2.17%	Pass
Channel 6	0.100000 V	0.099995 V	0.099760 V	0.100240 V	29.00 e-06 V	-0,000005 V	1.89%	Pass
Channel 7	0.100000 V	0.099989 V	0.099760 V	0.100240 V	29.00 e-06 V	-0,000011 V	4.65%	Pass
Channel 8	0.100000 V	0.099989 V	0.099760 V	0.100240 V	29.00 e-06 V	-0,000011 V	4.46%	Pass

11. Testergebnisse / Test results

Test Description	True Value	Test Result	Lower limit	Upper limit	Exp Uncert	Error	% of Tol	Status
Test @ 0.5V_RMS @ 20Hz								
Channel 1	0.500000 V	0.499991 V	0.499680 V	0.500320 V	250.00 e-06 V	-0,000009 V	2.71%	Pass
Channel 2	0.500000 V	0.499978 V	0.499680 V	0.500320 V	250.00 e-06 V	-0,000022 V	6.98%	Pass
Channel 3	0.500000 V	0.499966 V	0.499680 V	0.500320 V	250.00 e-06 V	-0,000034 V	10.6%	Pass
Channel 4	0.500000 V	0.499984 V	0.499680 V	0.500320 V	250.00 e-06 V	-0,000016 V	5.1%	Pass
Channel 5	0.500000 V	0.499997 V	0.499680 V	0.500320 V	250.00 e-06 V	-0,000003 V	1.04%	Pass
Channel 6	0.500000 V	0.500002 V	0.499680 V	0.500320 V	250.00 e-06 V	0,000002 V	0.729%	Pass
Channel 7	0.500000 V	0.499972 V	0.499680 V	0.500320 V	250.00 e-06 V	-0,000028 V	8.85%	Pass
Channel 8	0.500000 V	0.499974 V	0.499680 V	0.500320 V	250.00 e-06 V	-0,000026 V	8.02%	Pass
Test @ 0.5V_RMS @ 50Hz								
Channel 1	0.500000 V	0.499992 V	0.499680 V	0.500320 V	170.00 e-06 V	-0,000008 V	2.5%	Pass
Channel 2	0.500000 V	0.499981 V	0.499680 V	0.500320 V	170.00 e-06 V	-0,000019 V	5.94%	Pass
Channel 3	0.500000 V	0.499971 V	0.499680 V	0.500320 V	170.00 e-06 V	-0,000029 V	8.96%	Pass
Channel 4	0.500000 V	0.499987 V	0.499680 V	0.500320 V	170.00 e-06 V	-0,000013 V	4.06%	Pass
Channel 5	0.500000 V	0.500000 V	0.499680 V	0.500320 V	170.00 e-06 V	0,000000 V	0.104%	Pass
Channel 6	0.500000 V	0.500007 V	0.499680 V	0.500320 V	170.00 e-06 V	0,000007 V	2.08%	Pass
Channel 7	0.500000 V	0.499974 V	0.499680 V	0.500320 V	170.00 e-06 V	-0,000026 V	8.13%	Pass
Channel 8	0.500000 V	0.499976 V	0.499680 V	0.500320 V	170.00 e-06 V	-0,000024 V	7.6%	Pass
Test @ 0.5V RMS @ 1000Hz								
Channel 1	0.500000 V	0.499960 V	0.499680 V	0.500320 V	170.00 e-06 V	-0,000040 V	12.6%	Pass
Channel 2	0.500000 V	0.499946 V	0.499680 V	0.500320 V	170.00 e-06 V	-0,000054 V	16.9%	Pass
Channel 3	0.500000 V	0.499935 V	0.499680 V	0.500320 V	170.00 e-06 V	-0,000065 V	20.2%	Pass
Channel 4	0.500000 V	0.499951 V	0.499680 V	0.500320 V	170.00 e-06 V	-0,000049 V	15.2%	Pass
Channel 5	0.500000 V	0.499964 V	0.499680 V	0.500320 V	170.00 e-06 V	-0,000036 V	11.2%	Pass
Channel 6	0.500000 V	0.499968 V	0.499680 V	0.500320 V	170.00 e-06 V	-0,000032 V	9.9%	Pass
Channel 7	0.500000 V	0.499937 V	0.499680 V	0.500320 V	170.00 e-06 V	-0,000063 V	19.7%	Pass
Channel 8	0.500000 V	0.499941 V	0.499680 V	0.500320 V	170.00 e-06 V	-0,000059 V	18.4%	Pass
Test @ 0.7V RMS @ 20Hz								
Channel 1	0.700000 V	0.700005 V	0.699640 V	0.700360 V	320.00 e-06 V	0,000005 V	1.48%	Pass
Channel 2	0.700000 V	0.699986 V	0.699640 V	0.700360 V	320.00 e-06 V	-0,000014 V	3.8%	Pass
Channel 3	0.700000 V	0.699971 V	0.699640 V	0.700360 V	320.00 e-06 V	-0,000029 V	8.06%	Pass
Channel 4	0.700000 V	0.699993 V	0.699640 V	0.700360 V	320.00 e-06 V	-0,000007 V	1.85%	Pass
Channel 5	0.700000 V	0.700011 V	0.699640 V	0.700360 V	320.00 e-06 V	0,000011 V	3.06%	Pass
Channel 6	0.700000 V	0.700019 V	0.699640 V	0.700360 V	320.00 e-06 V	0,000019 V	5.28%	Pass
Channel 7	0.700000 V	0.699975 V	0.699640 V	0.700360 V	320.00 e-06 V	-0,000025 V	6.94%	Pass
Channel 8	0.700000 V	0.699976 V	0.699640 V	0.700360 V	320.00 e-06 V	-0,000024 V	6.67%	Pass
Test @ 0.7V RMS @ 50Hz								
Channel 1	0.700000 V	0.700007 V	0.699640 V	0.700360 V	210.00 e-06 V	0,000007 V	1.94%	Pass
Channel 2	0.700000 V	0.699990 V	0.699640 V	0.700360 V	210.00 e-06 V	-0,000010 V	2.87%	Pass
Channel 3	0.700000 V	0.699977 V	0.699640 V	0.700360 V	210.00 e-06 V	-0,000023 V	6.48%	Pass
Channel 4	0.700000 V	0.700002 V	0.699640 V	0.700360 V	210.00 e-06 V	0,000002 V	0.463%	Pass
Channel 5	0.700000 V	0.700018 V	0.699640 V	0.700360 V	210.00 e-06 V	0,000018 V	5%	Pass
Channel 6	0.700000 V	0.700024 V	0.699640 V	0.700360 V	210.00 e-06 V	0,000024 V	6.57%	Pass
Channel 7	0.700000 V	0.699979 V	0.699640 V	0.700360 V	210.00 e-06 V	-0,000021 V	5.93%	Pass
Channel 8	0.700000 V	0.699979 V	0.699640 V	0.700360 V	210.00 e-06 V	-0,000021 V	5.74%	Pass
Test @ 0.7V RMS @ 1000Hz								
Channel 1	0.700000 V	0.699960 V	0.699640 V	0.700360 V	210.00 e-06 V	-0,000040 V	11%	Pass
Channel 2	0.700000 V	0.699943 V	0.699640 V	0.700360 V	210.00 e-06 V	-0,000057 V	15.9%	Pass
Channel 3	0.700000 V	0.699929 V	0.699640 V	0.700360 V	210.00 e-06 V	-0,000071 V	19.6%	Pass
Channel 4	0.700000 V	0.699951 V	0.699640 V	0.700360 V	210.00 e-06 V	-0,000049 V	13.7%	Pass
Channel 5	0.700000 V	0.699967 V	0.699640 V	0.700360 V	210.00 e-06 V	-0,000033 V	9.17%	Pass
Channel 6	0.700000 V	0.699972 V	0.699640 V	0.700360 V	210.00 e-06 V	-0,000028 V	7.69%	Pass
Channel 7	0.700000 V	0.699930 V	0.699640 V	0.700360 V	210.00 e-06 V	-0,000070 V	19.5%	Pass
Channel 8	0.700000 V	0.699931 V	0.699640 V	0.700360 V	210.00 e-06 V	-0,000069 V	19.2%	Pass
Test @ 0.7V RMS @ 10000Hz								
Channel 1	0.700000 V	0.698979 V	0.696280 V	0.703720 V	160.00 e-06 V	-0,001021 V	27.4%	Pass
Channel 2	0.700000 V	0.698941 V	0.696280 V	0.703720 V	160.00 e-06 V	-0,001059 V	28.5%	Pass
Channel 3	0.700000 V	0.698927 V	0.696280 V	0.703720 V	160.00 e-06 V	-0,001073 V	28.8%	Pass
Channel 4	0.700000 V	0.698963 V	0.696280 V	0.703720 V	160.00 e-06 V	-0,001037 V	27.9%	Pass
Channel 5	0.700000 V	0.698993 V	0.696280 V	0.703720 V	160.00 e-06 V	-0,001007 V	27.1%	Pass
Channel 6	0.700000 V	0.698959 V	0.696280 V	0.703720 V	160.00 e-06 V	-0,001041 V	28%	Pass
Channel 7	0.700000 V	0.698968 V	0.696280 V	0.703720 V	160.00 e-06 V	-0,001032 V	27.8%	Pass
Channel 8	0.700000 V	0.698962 V	0.696280 V	0.703720 V	160.00 e-06 V	-0,001038 V	27.9%	Pass
Test @ 0.7V RMS @ 20000Hz								
Channel 1	0.700000 V	0.698148 V	0.692780 V	0.707220 V	160.00 e-06 V	-0,001852 V	25.7%	Pass
Channel 2	0.700000 V	0.698060 V	0.692780 V	0.707220 V	160.00 e-06 V	-0,001940 V	26.9%	Pass
Channel 3	0.700000 V	0.698067 V	0.692780 V	0.707220 V	160.00 e-06 V	-0,001933 V	26.8%	Pass
Channel 4	0.700000 V	0.698168 V	0.692780 V	0.707220 V	160.00 e-06 V	-0,001832 V	25.4%	Pass
Channel 5	0.700000 V	0.698172 V	0.692780 V	0.707220 V	160.00 e-06 V	-0,001828 V	25.3%	Pass
Channel 6	0.700000 V	0.698055 V	0.692780 V	0.707220 V	160.00 e-06 V	-0,001945 V	26.9%	Pass
Channel 7	0.700000 V	0.698161 V	0.692780 V	0.707220 V	160.00 e-06 V	-0,001839 V	25.5%	Pass
Channel 8	0.700000 V	0.698167 V	0.692780 V	0.707220 V	160.00 e-06 V	-0,001833 V	25.4%	Pass

11. Testergebnisse / Test results

Test Description	True Value	Test Result	Lower limit	Upper limit	Exp Uncert	Error	% of Tol	Status
Range: 3V								
################################								
Test @ 0.3V DC								
Channel 1	0.300000 V	0.299987 V	0.299320 V	0.300680 V	8.90 e-06 V	-0,000013 V	1.86%	Pass
Channel 2	0.300000 V	0.299977 V	0.299320 V	0.300680 V	8.90 e-06 V	-0,000023 V	3.38%	Pass
Channel 3	0.300000 V	0.299985 V	0.299320 V	0.300680 V	8.90 e-06 V	-0,000015 V	2.25%	Pass
Channel 4	0.300000 V	0.299983 V	0.299320 V	0.300680 V	8.90 e-06 V	-0,000017 V	2.45%	Pass
Channel 5	0.300000 V	0.299988 V	0.299320 V	0.300680 V	8.90 e-06 V	-0,000012 V	1.72%	Pass
Channel 6	0.300000 V	0.300007 V	0.299320 V	0.300680 V	8.90 e-06 V	0,000007 V	1.08%	Pass
Channel 7	0.300000 V	0.299974 V	0.299320 V	0.300680 V	8.90 e-06 V	-0,000026 V	3.87%	Pass
Channel 8	0.300000 V	0.299982 V	0.299320 V	0.300680 V	8.90 e-06 V	-0,000018 V	2.6%	Pass
Test @ 1.5V DC								
Channel 1	1.500000 V	1.499993 V	1.499080 V	1.500920 V	24.00 e-06 V	-0,000007 V	0.725%	Pass
Channel 2	1.500000 V	1.499963 V	1.499080 V	1.500920 V	24.00 e-06 V	-0,000037 V	3.99%	Pass
Channel 3	1.500000 V	1.499953 V	1.499080 V	1.500920 V	24.00 e-06 V	-0,000047 V	5.07%	Pass
Channel 4	1.500000 V	1.499980 V	1.499080 V	1.500920 V	24.00 e-06 V	-0,000020 V	2.17%	Pass
Channel 5	1.500000 V	1.500020 V	1.499080 V	1.500920 V	24.00 e-06 V	0,000020 V	2.17%	Pass
Channel 6	1.500000 V	1.500050 V	1.499080 V	1.500920 V	24.00 e-06 V	0,000050 V	5.43%	Pass
Channel 7	1.500000 V	1.499940 V	1.499080 V	1.500920 V	24.00 e-06 V	-0,000060 V	6.52%	Pass
Channel 8	1.500000 V	1.499970 V	1.499080 V	1.500920 V	24.00 e-06 V	-0,000030 V	3.26%	Pass
Test @ 2.7V DC								
Channel 1	2.700000 V	2.700020 V	2.698840 V	2.701160 V	41.00 e-06 V	0,000020 V	1.72%	Pass
Channel 2	2.700000 V	2.699950 V	2.698840 V	2.701160 V	41.00 e-06 V	-0,000050 V	4.31%	Pass
Channel 3	2.700000 V	2.699930 V	2.698840 V	2.701160 V	41.00 e-06 V	-0,000070 V	6.03%	Pass
Channel 4	2.700000 V	2.699983 V	2.698840 V	2.701160 V	41.00 e-06 V	-0,000017 V	1.44%	Pass
Channel 5	2.700000 V	2.700050 V	2.698840 V	2.701160 V	41.00 e-06 V	0,000050 V	4.31%	Pass
Channel 6	2.700000 V	2.700090 V	2.698840 V	2.701160 V	41.00 e-06 V	0,000090 V	7.76%	Pass
Channel 7	2.700000 V	2.699917 V	2.698840 V	2.701160 V	41.00 e-06 V	-0,000083 V	7.18%	Pass
Channel 8	2.700000 V	2.699963 V	2.698840 V	2.701160 V	41.00 e-06 V	-0,000037 V	3.16%	Pass
Test @ -2.7V DC								
Channel 1	-2.700000 V	-2.700000 V	-2.701160 V	-2.698840 V	41.00 e-06 V	0,000000 V	3.83e-011%	Pass
Channel 2	-2.700000 V	-2.699950 V	-2.701160 V	-2.698840 V	41.00 e-06 V	0,000050 V	4.31%	Pass
Channel 3	-2.700000 V	-2.699900 V	-2.701160 V	-2.698840 V	41.00 e-06 V	0,000100 V	8.62%	Pass
Channel 4	-2.700000 V	-2.699977 V	-2.701160 V	-2.698840 V	41.00 e-06 V	0,000023 V	2.01%	Pass
Channel 5	-2.700000 V	-2.700047 V	-2.701160 V	-2.698840 V	41.00 e-06 V	-0,000047 V	4.02%	Pass
Channel 6	-2.700000 V	-2.700060 V	-2.701160 V	-2.698840 V	41.00 e-06 V	-0,000060 V	5.17%	Pass
Channel 7	-2.700000 V	-2.699917 V	-2.701160 V	-2.698840 V	41.00 e-06 V	0,000083 V	7.18%	Pass
Channel 8	-2.700000 V	-2.699953 V	-2.701160 V	-2.698840 V	41.00 e-06 V	0,000047 V	4.02%	Pass
Test @ 2.1V_RMS @ 20Hz								
Channel 1	2.100000 V	2.099980 V	2.098960 V	2.101040 V	840.00 e-06 V	-0,000020 V	1.92%	Pass
Channel 2	2.100000 V	2.099943 V	2.098960 V	2.101040 V	840.00 e-06 V	-0,000057 V	5.45%	Pass
Channel 3	2.100000 V	2.099900 V	2.098960 V	2.101040 V	840.00 e-06 V	-0,000100 V	9.62%	Pass
Channel 4	2.100000 V	2.099963 V	2.098960 V	2.101040 V	840.00 e-06 V	-0,000037 V	3.53%	Pass
Channel 5	2.100000 V	2.100007 V	2.098960 V	2.101040 V	840.00 e-06 V	0,000007 V	0.641%	Pass
Channel 6	2.100000 V	2.100027 V	2.098960 V	2.101040 V	840.00 e-06 V	0,000027 V	2.56%	Pass
Channel 7	2.100000 V	2.099910 V	2.098960 V	2.101040 V	840.00 e-06 V	-0,000090 V	8.65%	Pass
Channel 8	2.100000 V	2.099940 V	2.098960 V	2.101040 V	840.00 e-06 V	-0,000060 V	5.77%	Pass
Test @ 2.1V_RMS @ 50Hz								
Channel 1	2.100000 V	2.099993 V	2.098960 V	2.101040 V	470.00 e-06 V	-0,000007 V	0.641%	Pass
Channel 2	2.100000 V	2.099960 V	2.098960 V	2.101040 V	470.00 e-06 V	-0,000040 V	3.85%	Pass
Channel 3	2.100000 V	2.099920 V	2.098960 V	2.101040 V	470.00 e-06 V	-0,000080 V	7.69%	Pass
Channel 4	2.100000 V	2.099980 V	2.098960 V	2.101040 V	470.00 e-06 V	-0,000020 V	1.92%	Pass
Channel 5	2.100000 V	2.100020 V	2.098960 V	2.101040 V	470.00 e-06 V	0,000020 V	1.92%	Pass
Channel 6	2.100000 V	2.100040 V	2.098960 V	2.101040 V	470.00 e-06 V	0,000040 V	3.85%	Pass
Channel 7	2.100000 V	2.099930 V	2.098960 V	2.101040 V	470.00 e-06 V	-0,000070 V	6.73%	Pass
Channel 8	2.100000 V	2.099960 V	2.098960 V	2.101040 V	470.00 e-06 V	-0,000040 V	3.85%	Pass
Test @ 2.1V_RMS @ 1000Hz								
Channel 1	2.100000 V	2.099840 V	2.098960 V	2.101040 V	630.00 e-06 V	-0,000160 V	15.4%	Pass
Channel 2	2.100000 V	2.099800 V	2.098960 V	2.101040 V	630.00 e-06 V	-0,000200 V	19.2%	Pass
Channel 3	2.100000 V	2.099763 V	2.098960 V	2.101040 V	630.00 e-06 V	-0,000237 V	22.8%	Pass
Channel 4	2.100000 V	2.099830 V	2.098960 V	2.101040 V	630.00 e-06 V	-0,000170 V	16.3%	Pass
Channel 5	2.100000 V	2.099870 V	2.098960 V	2.101040 V	630.00 e-06 V	-0,000130 V	12.5%	Pass
Channel 6	2.100000 V	2.099890 V	2.098960 V	2.101040 V	630.00 e-06 V	-0,000110 V	10.6%	Pass
Channel 7	2.100000 V	2.099770 V	2.098960 V	2.101040 V	630.00 e-06 V	-0,000230 V	22.1%	Pass
Channel 8	2.100000 V	2.099800 V	2.098960 V	2.101040 V	630.00 e-06 V	-0,000200 V	19.2%	Pass
Range: 10V								
################################								
Test @ 1V DC								
Channel 1	1.000000 V	1.000017 V	0.997780 V	1.002220 V	17.00 e-06 V	0,000017 V	0.751%	Pass

11. Testergebnisse / Test results

Test Description	True Value	Test Result	Lower limit	Upper limit	Exp Uncert	Error	% of Tol	Status	
Channel 2	1.000000 V	0.999963 V	0.997780 V	1.002220 V	17.00 e-06 V	-0,000037 V	1.68%	Pass	
Channel 3	1.000000 V	0.999980 V	0.997780 V	1.002220 V	17.00 e-06 V	-0,000020 V	0.916%	Pass	
Channel 4	1.000000 V	1.000020 V	0.997780 V	1.002220 V	17.00 e-06 V	0,000020 V	0.901%	Pass	
Channel 5	1.000000 V	1.000020 V	0.997780 V	1.002220 V	17.00 e-06 V	0,000020 V	0.901%	Pass	
Channel 6	1.000000 V	1.000053 V	0.997780 V	1.002220 V	17.00 e-06 V	0,000053 V	2.4%	Pass	
Channel 7	1.000000 V	0.999961 V	0.997780 V	1.002220 V	17.00 e-06 V	-0,000039 V	1.76%	Pass	
Channel 8	1.000000 V	1.000002 V	0.997780 V	1.002220 V	17.00 e-06 V	0,000002 V	0.0751%	Pass	
Test @ 5V DC									
Channel 1	5.000000 V	4.999963 V	4.996980 V	5.003020 V	110.00 e-06 V	-0,000037 V	1.21%	Pass	
Channel 2	5.000000 V	4.999863 V	4.996980 V	5.003020 V	110.00 e-06 V	-0,000137 V	4.53%	Pass	
Channel 3	5.000000 V	4.999807 V	4.996980 V	5.003020 V	110.00 e-06 V	-0,000193 V	6.4%	Pass	
Channel 4	5.000000 V	5.000000 V	4.996980 V	5.003020 V	110.00 e-06 V	0,000000 V	0%	Pass	
Channel 5	5.000000 V	5.000107 V	4.996980 V	5.003020 V	110.00 e-06 V	0,000107 V	3.53%	Pass	
Channel 6	5.000000 V	5.000137 V	4.996980 V	5.003020 V	110.00 e-06 V	0,000137 V	4.53%	Pass	
Channel 7	5.000000 V	4.999793 V	4.996980 V	5.003020 V	110.00 e-06 V	-0,000207 V	6.84%	Pass	
Channel 8	5.000000 V	4.999887 V	4.996980 V	5.003020 V	110.00 e-06 V	-0,000113 V	3.75%	Pass	
Test @ 9V DC									
Channel 1	9.000000 V	9.000033 V	8.996180 V	9.003820 V	170.00 e-06 V	0,000033 V	0.873%	Pass	
Channel 2	9.000000 V	8.999897 V	8.996180 V	9.003820 V	170.00 e-06 V	-0,000103 V	2.71%	Pass	
Channel 3	9.000000 V	8.999723 V	8.996180 V	9.003820 V	170.00 e-06 V	-0,000277 V	7.24%	Pass	
Channel 4	9.000000 V	9.000103 V	8.996180 V	9.003820 V	170.00 e-06 V	0,000103 V	2.71%	Pass	
Channel 5	9.000000 V	9.000287 V	8.996180 V	9.003820 V	170.00 e-06 V	0,000287 V	7.5%	Pass	
Channel 6	9.000000 V	9.000343 V	8.996180 V	9.003820 V	170.00 e-06 V	0,000343 V	8.99%	Pass	
Channel 7	9.000000 V	8.999750 V	8.996180 V	9.003820 V	170.00 e-06 V	-0,000250 V	6.54%	Pass	
Channel 8	9.000000 V	8.999893 V	8.996180 V	9.003820 V	170.00 e-06 V	-0,000107 V	2.79%	Pass	
Test @ -9V DC									
Channel 1	-9.000000 V	-9.000110 V	-9.003820 V	-8.996180 V	170.00 e-06 V	-0,000110 V	2.88%	Pass	
Channel 2	-9.000000 V	-8.999987 V	-9.003820 V	-8.996180 V	170.00 e-06 V	0,000013 V	0.349%	Pass	
Channel 3	-9.000000 V	-8.999767 V	-9.003820 V	-8.996180 V	170.00 e-06 V	0,000233 V	6.11%	Pass	
Channel 4	-9.000000 V	-9.000170 V	-9.003820 V	-8.996180 V	170.00 e-06 V	-0,000170 V	4.45%	Pass	
Channel 5	-9.000000 V	-9.000353 V	-9.003820 V	-8.996180 V	170.00 e-06 V	-0,000353 V	9.25%	Pass	
Channel 6	-9.000000 V	-9.000347 V	-9.003820 V	-8.996180 V	170.00 e-06 V	-0,000347 V	9.08%	Pass	
Channel 7	-9.000000 V	-8.999867 V	-9.003820 V	-8.996180 V	170.00 e-06 V	0,000133 V	3.49%	Pass	
Channel 8	-9.000000 V	-8.999937 V	-9.003820 V	-8.996180 V	170.00 e-06 V	0,000063 V	1.66%	Pass	
Test @ 7V_RMS @ 20Hz									
Channel 1	7.000000 V	7.000103 V	6.996580 V	7.003420 V	4.10 e-03 V	0,000103 V	3.02%	Pass	
Channel 2	7.000000 V	7.000027 V	6.996580 V	7.003420 V	4.10 e-03 V	0,000027 V	0.78%	Pass	
Channel 3	7.000000 V	6.999843 V	6.996580 V	7.003420 V	4.10 e-03 V	-0,000157 V	4.58%	Pass	
Channel 4	7.000000 V	7.000190 V	6.996580 V	7.003420 V	4.10 e-03 V	0,000190 V	5.56%	Pass	
Channel 5	7.000000 V	7.000300 V	6.996580 V	7.003420 V	4.10 e-03 V	0,000300 V	8.77%	Pass	
Channel 6	7.000000 V	7.000307 V	6.996580 V	7.003420 V	4.10 e-03 V	0,000307 V	8.97%	Pass	
Channel 7	7.000000 V	6.999913 V	6.996580 V	7.003420 V	4.10 e-03 V	-0,000087 V	2.53%	Pass	
Channel 8	7.000000 V	6.999970 V	6.996580 V	7.003420 V	4.10 e-03 V	-0,000030 V	0.877%	Pass	
Test @ 7V_RMS @ 50Hz									
Channel 1	7.000000 V	7.000177 V	6.996580 V	7.003420 V	2.10 e-03 V	0,000177 V	5.17%	Pass	
Channel 2	7.000000 V	7.000083 V	6.996580 V	7.003420 V	2.10 e-03 V	0,000083 V	2.44%	Pass	
Channel 3	7.000000 V	6.999913 V	6.996580 V	7.003420 V	2.10 e-03 V	-0,000087 V	2.53%	Pass	
Channel 4	7.000000 V	7.000237 V	6.996580 V	7.003420 V	2.10 e-03 V	0,000237 V	6.92%	Pass	
Channel 5	7.000000 V	7.000337 V	6.996580 V	7.003420 V	2.10 e-03 V	0,000337 V	9.84%	Pass	
Channel 6	7.000000 V	7.000343 V	6.996580 V	7.003420 V	2.10 e-03 V	0,000343 V	10%	Pass	
Channel 7	7.000000 V	6.999950 V	6.996580 V	7.003420 V	2.10 e-03 V	-0,000050 V	1.46%	Pass	
Channel 8	7.000000 V	7.000013 V	6.996580 V	7.003420 V	2.10 e-03 V	0,000013 V	0.39%	Pass	
Test @ 7V_RMS @ 1000Hz									
Channel 1	7.000000 V	6.999290 V	6.996580 V	7.003420 V	2.10 e-03 V	-0,000710 V	20.8%	Pass	
Channel 2	7.000000 V	6.999227 V	6.996580 V	7.003420 V	2.10 e-03 V	-0,000773 V	22.6%	Pass	
Channel 3	7.000000 V	6.999020 V	6.996580 V	7.003420 V	2.10 e-03 V	-0,000980 V	28.7%	Pass	
Channel 4	7.000000 V	6.999353 V	6.996580 V	7.003420 V	2.10 e-03 V	-0,000647 V	18.9%	Pass	
Channel 5	7.000000 V	6.999470 V	6.996580 V	7.003420 V	2.10 e-03 V	-0,000530 V	15.5%	Pass	
Channel 6	7.000000 V	6.999463 V	6.996580 V	7.003420 V	2.10 e-03 V	-0,000537 V	15.7%	Pass	
Channel 7	7.000000 V	6.999040 V	6.996580 V	7.003420 V	2.10 e-03 V	-0,000960 V	28.1%	Pass	
Channel 8	7.000000 V	6.999110 V	6.996580 V	7.003420 V	2.10 e-03 V	-0,000890 V	26%	Pass	
Non-Accredited functional board tests									
SNR Test									
0V @ 10V Range; 100kS/sec									
107.00 dB @ CH1	107.00 dB	107.05 dB	105.00 dB	210.00 dB		0,05 dB	0.047%	Pass	(1)
107.00 dB @ CH2	107.00 dB	107.07 dB	105.00 dB	210.00 dB		0,07 dB	0.0632%	Pass	(1)
107.00 dB @ CH3	107.00 dB	107.13 dB	105.00 dB	210.00 dB		0,13 dB	0.128%	Pass	(1)
107.00 dB @ CH4	107.00 dB	107.14 dB	105.00 dB	210.00 dB		0,14 dB	0.131%	Pass	(1)
107.00 dB @ CH5	107.00 dB	107.01 dB	105.00 dB	210.00 dB		0,01 dB	0.00738%	Pass	(1)
107.00 dB @ CH6	107.00 dB	107.07 dB	105.00 dB	210.00 dB		0,07 dB	0.0661%	Pass	(1)
107.00 dB @ CH7	107.00 dB	107.20 dB	105.00 dB	210.00 dB		0,20 dB	0.194%	Pass	(1)
107.00 dB @ CH8	107.00 dB	107.26 dB	105.00 dB	210.00 dB		0,26 dB	0.255%	Pass	(1)

11. Testergebnisse / Test results

Test Description	True Value	Test Result	Lower limit	Upper limit	Exp Uncert	Error	% of Tol	Status	
Short Circuit Input; 10mV Range; 100kS/sec									
72.00 dB @ CH1	72.00 dB	73.14 dB	70.00 dB	200.00 dB		1,14 dB	0.891%	Pass	(1)
72.00 dB @ CH2	72.00 dB	73.17 dB	70.00 dB	200.00 dB		1,17 dB	0.911%	Pass	(1)
72.00 dB @ CH3	72.00 dB	72.93 dB	70.00 dB	200.00 dB		0,93 dB	0.725%	Pass	(1)
72.00 dB @ CH4	72.00 dB	72.97 dB	70.00 dB	200.00 dB		0,97 dB	0.761%	Pass	(1)
72.00 dB @ CH5	72.00 dB	73.03 dB	70.00 dB	200.00 dB		1,03 dB	0.802%	Pass	(1)
72.00 dB @ CH6	72.00 dB	73.16 dB	70.00 dB	200.00 dB		1,16 dB	0.903%	Pass	(1)
72.00 dB @ CH7	72.00 dB	73.22 dB	70.00 dB	200.00 dB		1,22 dB	0.954%	Pass	(1)
72.00 dB @ CH8	72.00 dB	73.14 dB	70.00 dB	200.00 dB		1,14 dB	0.889%	Pass	(1)
9V @ 10V Range; 100S/sec									
110.00 dB @ CH1	110.00 dB	109.19 dB	105.00 dB	200.00 dB		-0,81 dB	16.1%	Pass	(1)
110.00 dB @ CH2	110.00 dB	109.95 dB	105.00 dB	200.00 dB		-0,05 dB	0.903%	Pass	(1)
110.00 dB @ CH3	110.00 dB	110.20 dB	105.00 dB	200.00 dB		0,20 dB	0.223%	Pass	(1)
110.00 dB @ CH4	110.00 dB	108.70 dB	105.00 dB	200.00 dB		-1,30 dB	26%	Pass	(1)
110.00 dB @ CH5	110.00 dB	109.42 dB	105.00 dB	200.00 dB		-0,58 dB	11.6%	Pass	(1)
110.00 dB @ CH6	110.00 dB	108.92 dB	105.00 dB	200.00 dB		-1,08 dB	21.7%	Pass	(1)
110.00 dB @ CH7	110.00 dB	109.08 dB	105.00 dB	200.00 dB		-0,92 dB	18.3%	Pass	(1)
110.00 dB @ CH8	110.00 dB	109.00 dB	105.00 dB	200.00 dB		-1,00 dB	20.1%	Pass	(1)
Low pass filter test									
290kHz Filter									
-0.55 dB @ CH1	-0.55 dB	-0.47 dB	-0.70 dB	-0.40 dB		0,08 dB	51.1%	Pass	(1)
-0.55 dB @ CH2	-0.55 dB	-0.48 dB	-0.70 dB	-0.40 dB		0,07 dB	47.4%	Pass	(1)
-0.55 dB @ CH3	-0.55 dB	-0.48 dB	-0.70 dB	-0.40 dB		0,07 dB	48.9%	Pass	(1)
-0.55 dB @ CH4	-0.55 dB	-0.47 dB	-0.70 dB	-0.40 dB		0,08 dB	54.6%	Pass	(1)
-0.55 dB @ CH5	-0.55 dB	-0.47 dB	-0.70 dB	-0.40 dB		0,08 dB	53%	Pass	(1)
-0.55 dB @ CH6	-0.55 dB	-0.48 dB	-0.70 dB	-0.40 dB		0,07 dB	45.4%	Pass	(1)
-0.55 dB @ CH7	-0.55 dB	-0.47 dB	-0.70 dB	-0.40 dB		0,08 dB	54.6%	Pass	(1)
-0.55 dB @ CH8	-0.55 dB	-0.47 dB	-0.70 dB	-0.40 dB		0,08 dB	54.1%	Pass	(1)
29kHz Filter									
-3.00 dB @ CH1	-3.00 dB	-3.19 dB	-4.00 dB	-2.00 dB		-0,19 dB	18.6%	Pass	(1)
-3.00 dB @ CH2	-3.00 dB	-3.13 dB	-4.00 dB	-2.00 dB		-0,13 dB	13%	Pass	(1)
-3.00 dB @ CH3	-3.00 dB	-2.98 dB	-4.00 dB	-2.00 dB		0,02 dB	1.84%	Pass	(1)
-3.00 dB @ CH4	-3.00 dB	-3.06 dB	-4.00 dB	-2.00 dB		-0,06 dB	5.85%	Pass	(1)
-3.00 dB @ CH5	-3.00 dB	-3.08 dB	-4.00 dB	-2.00 dB		-0,08 dB	8.36%	Pass	(1)
-3.00 dB @ CH6	-3.00 dB	-3.11 dB	-4.00 dB	-2.00 dB		-0,11 dB	10.5%	Pass	(1)
-3.00 dB @ CH7	-3.00 dB	-3.22 dB	-4.00 dB	-2.00 dB		-0,22 dB	22%	Pass	(1)
-3.00 dB @ CH8	-3.00 dB	-3.08 dB	-4.00 dB	-2.00 dB		-0,08 dB	7.85%	Pass	(1)
2.9kHz Filter									
-3.00 dB @ CH1	-3.00 dB	-3.17 dB	-4.00 dB	-2.00 dB		-0,17 dB	16.8%	Pass	(1)
-3.00 dB @ CH2	-3.00 dB	-3.20 dB	-4.00 dB	-2.00 dB		-0,20 dB	20.4%	Pass	(1)
-3.00 dB @ CH3	-3.00 dB	-3.16 dB	-4.00 dB	-2.00 dB		-0,16 dB	16.4%	Pass	(1)
-3.00 dB @ CH4	-3.00 dB	-3.16 dB	-4.00 dB	-2.00 dB		-0,16 dB	15.5%	Pass	(1)
-3.00 dB @ CH5	-3.00 dB	-3.13 dB	-4.00 dB	-2.00 dB		-0,13 dB	13.1%	Pass	(1)
-3.00 dB @ CH6	-3.00 dB	-3.10 dB	-4.00 dB	-2.00 dB		-0,10 dB	10.1%	Pass	(1)
-3.00 dB @ CH7	-3.00 dB	-3.13 dB	-4.00 dB	-2.00 dB		-0,13 dB	12.8%	Pass	(1)
-3.00 dB @ CH8	-3.00 dB	-3.14 dB	-4.00 dB	-2.00 dB		-0,14 dB	14.3%	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)
10Hz Channel 5								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 °	-0.042 °	-0.280 °	0.280 °		-0,042 °	15.1%	Pass	(1)
0.000 ° @ CH3	0.000 °	0.031 °	-0.280 °	0.280 °		0,031 °	10.9%	Pass	(1)
0.000 ° @ CH4	0.000 °	0.023 °	-0.280 °	0.280 °		0,023 °	8.32%	Pass	(1)
0.000 ° @ CH5	0.000 °	-0.028 °	-0.280 °	0.280 °		-0,028 °	9.95%	Pass	(1)
0.000 ° @ CH6	0.000 °	-0.035 °	-0.280 °	0.280 °		-0,035 °	12.4%	Pass	(1)

11. Testergebnisse / Test results

Test Description	True Value	Test Result	Lower limit	Upper limit	Exp Uncert	Error	% of Tol	Status	
0.000 ° @ CH7	0.000 °	0.039 °	-0.280 °	0.280 °		0,039 °	14%	Pass	(1)
0.000 ° @ CH8	0.000 °	0.025 °	-0.280 °	0.280 °		0,025 °	8.82%	Pass	(1)
CMRR test at 50Hz									
80.0 dB @ CH1	80.0 dB	104.6 dB	80.0 dB	200.0 dB		24,6 dB	20.5%	Pass	(1)
80.0 dB @ CH2	80.0 dB	97.4 dB	80.0 dB	200.0 dB		17,4 dB	14.5%	Pass	(1)
80.0 dB @ CH3	80.0 dB	100.4 dB	80.0 dB	200.0 dB		20,4 dB	17%	Pass	(1)
80.0 dB @ CH4	80.0 dB	98.8 dB	80.0 dB	200.0 dB		18,8 dB	15.7%	Pass	(1)
80.0 dB @ CH5	80.0 dB	99.1 dB	80.0 dB	200.0 dB		19,1 dB	15.9%	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	103.6 dB	80.0 dB	200.0 dB		23,6 dB	19.7%	Pass	(1)
80.0 dB @ CH8	80.0 dB	105.2 dB	80.0 dB	200.0 dB		25,2 dB	21%	Pass	(1)
CMRR test at 1kHz									
70.0 dB @ CH1	70.0 dB	87.3 dB	70.0 dB	200.0 dB		17,3 dB	13.3%	Pass	(1)
70.0 dB @ CH2	70.0 dB	87.0 dB	70.0 dB	200.0 dB		17,0 dB	13.1%	Pass	(1)
70.0 dB @ CH3	70.0 dB	87.5 dB	70.0 dB	200.0 dB		17,5 dB	13.5%	Pass	(1)
70.0 dB @ CH4	70.0 dB	88.1 dB	70.0 dB	200.0 dB		18,1 dB	13.9%	Pass	(1)
70.0 dB @ CH5	70.0 dB	86.6 dB	70.0 dB	200.0 dB		16,6 dB	12.8%	Pass	(1)
70.0 dB @ CH6	70.0 dB	86.8 dB	70.0 dB	200.0 dB		16,8 dB	13%	Pass	(1)
70.0 dB @ CH7	70.0 dB	87.3 dB	70.0 dB	200.0 dB		17,3 dB	13.3%	Pass	(1)
70.0 dB @ CH8	70.0 dB	87.3 dB	70.0 dB	200.0 dB		17,3 dB	13.3%	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)
40 °C @ BoardTemp	40. °C	42 °C	25 °C	55 °C		2,00 °C	11.7%	Pass	(1)

Ende des Kalibrierscheines / *End of Calibration Certificate*