DEWETRON GmbH

Parkring 4
8074 Grambach
Austria

AAT2560069
Akkreditierung Austria 0632
29.01.2025

Kalibrierstelle für elektrische Messgrößen
Calibration body for electrical measurands

akkreditiert durch / *accredited by*
AKKREDITIERUNG AUSTRIA

Kalibrierzeichen
Calibration Mark

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

Gegenstand *Object*	Data Acquisition System
Hersteller *Manufacturer*	DEWETRON
Typ *Type*	DEWE-50-USB2-8
Herstellernummer *Serial number*	53170745
Auftraggeber *Customer*	
Kalibriernummer *Order number*	AAT2560069
Anzahl der Seiten des Kalibrierscheines *Number of pages of the certificate*	9
Datum der Kalibrierung *Date of calibration*	29.01.2025

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

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

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

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

Stempel *Seal*	Datum *Date*	Zeichnungsberechtigter *Authorised person*	Bearbeiter *Person responsible*
	29.01.2025	Stefan Strohmaier	Nandor Nagy

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1. Kalibriergegenstand / *Calibration object*

Data Acquisition System DEWETRON DEWE-50-USB2-8, S/N: 53170745

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*: DEWE-43_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:*	23,0 °C
Rel. Luftfeuchte / *Rel. humidity:*	39,9 % r.H.
Kalibrierort / *Place of calibration:*	DEWETRON GmbH, Parkring 4, 8074 Grambach, Austria

6. Auftragnummer / *Reference Number*

7. Status / *Status*

PASS ()

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

8. Verwendete Fußnoten / *Used foot notes:*

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

9. Kommentare / *Comments*

test

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

10. Verwendete Normale / Standards used

Asset	Description	Serial Number	Certificate No.	Cal Date	Due Date
5522A 02	5522A CALIBRATOR	6032901	SA01246868	9-Feb-2024	8-Feb-2025

11. Testergebnisse / Test results

Kalibrierverfahren / calibration method:
CAL-KV-01_Gleichspannung_v1.0_2024-07-04.xlsx-02
CAL-KV-02_Wechselspannung_v1.0_2024-07-04.xlsx-02C

Current Temperature Calibrator: 26.06°C

System Name: DEWE-43-OEM
Device SN: D04EA2E6
Firmware: 6.0.4.16

Specifications taken from:
DEWE-43 Technical Reference Manual, Version 2.6 (pg 9 ff)

DC Accuracy:
Range: 10mV : ±0.05% of reading ±0.1mV
Range: 100mV : ±0.05% of reading ±0.1mV
Range: 1V : ±0.05% of reading ±0.2mV
Range: 10V : ±0.05% of reading ±1mV

AC Accuracy : not specified by manufacturer

Range: 10mV
Samplerate: 200kS/s
Filter: off

Test Description	True Value	Test Result	Lower limit	Upper limit	Exp Uncert	Error	% of Tol	Status
True Value: 0V								
Channel 1	0.00000 V	-0.00002 V	-0.00010 V	0.00010 V	3.40 e-06 V	-0,00002 V	22.9%	Pass
Channel 2	0.00000 V	-0.00004 V	-0.00010 V	0.00010 V	3.40 e-06 V	-0,00004 V	38.7%	Pass
Channel 3	0.00000 V	-0.00006 V	-0.00010 V	0.00010 V	3.40 e-06 V	-0,00006 V	56.3%	Pass
Channel 4	0.00000 V	-0.00004 V	-0.00010 V	0.00010 V	3.40 e-06 V	-0,00004 V	37.2%	Pass
Channel 5	0.00000 V	-0.00004 V	-0.00010 V	0.00010 V	3.40 e-06 V	-0,00004 V	41.4%	Pass
Channel 6	0.00000 V	-0.00005 V	-0.00010 V	0.00010 V	3.40 e-06 V	-0,00005 V	52%	Pass
Channel 7	0.00000 V	-0.00003 V	-0.00010 V	0.00010 V	3.40 e-06 V	-0,00003 V	30.2%	Pass
Channel 8	0.00000 V	-0.00006 V	-0.00010 V	0.00010 V	3.40 e-06 V	-0,00006 V	59.4%	Pass
True Value: 0.001V								
Channel 1	0.00100 V	0.00098 V	0.00090 V	0.00110 V	3.40 e-06 V	-0,00002 V	23.1%	Pass
Channel 2	0.00100 V	0.00096 V	0.00090 V	0.00110 V	3.40 e-06 V	-0,00004 V	39%	Pass
Channel 3	0.00100 V	0.00094 V	0.00090 V	0.00110 V	3.40 e-06 V	-0,00006 V	56.5%	Pass
Channel 4	0.00100 V	0.00096 V	0.00090 V	0.00110 V	3.40 e-06 V	-0,00004 V	37.7%	Pass
Channel 5	0.00100 V	0.00096 V	0.00090 V	0.00110 V	3.40 e-06 V	-0,00004 V	41.7%	Pass
Channel 6	0.00100 V	0.00095 V	0.00090 V	0.00110 V	3.40 e-06 V	-0,00005 V	51.7%	Pass
Channel 7	0.00100 V	0.00097 V	0.00090 V	0.00110 V	3.40 e-06 V	-0,00003 V	30.4%	Pass
Channel 8	0.00100 V	0.00094 V	0.00090 V	0.00110 V	3.40 e-06 V	-0,00006 V	59%	Pass
True Value: 0.005V								
Channel 1	0.00500 V	0.00497 V	0.00490 V	0.00510 V	3.40 e-06 V	-0,00003 V	27.3%	Pass
Channel 2	0.00500 V	0.00496 V	0.00490 V	0.00510 V	3.40 e-06 V	-0,00004 V	42.7%	Pass
Channel 3	0.00500 V	0.00494 V	0.00490 V	0.00510 V	3.40 e-06 V	-0,00006 V	59.9%	Pass
Channel 4	0.00500 V	0.00496 V	0.00490 V	0.00510 V	3.40 e-06 V	-0,00004 V	41%	Pass
Channel 5	0.00500 V	0.00495 V	0.00490 V	0.00510 V	3.40 e-06 V	-0,00005 V	45.3%	Pass
Channel 6	0.00500 V	0.00494 V	0.00490 V	0.00510 V	3.40 e-06 V	-0,00006 V	55.2%	Pass
Channel 7	0.00500 V	0.00496 V	0.00490 V	0.00510 V	3.40 e-06 V	-0,00004 V	34.2%	Pass
Channel 8	0.00500 V	0.00494 V	0.00490 V	0.00510 V	3.40 e-06 V	-0,00006 V	62.2%	Pass
True Value: 0.009V								
Channel 1	0.00900 V	0.00897 V	0.00890 V	0.00910 V	3.50 e-06 V	-0,00003 V	32.3%	Pass
Channel 2	0.00900 V	0.00895 V	0.00890 V	0.00910 V	3.50 e-06 V	-0,00005 V	47.3%	Pass
Channel 3	0.00900 V	0.00893 V	0.00890 V	0.00910 V	3.50 e-06 V	-0,00007 V	63.7%	Pass
Channel 4	0.00900 V	0.00895 V	0.00890 V	0.00910 V	3.50 e-06 V	-0,00005 V	44.4%	Pass
Channel 5	0.00900 V	0.00895 V	0.00890 V	0.00910 V	3.50 e-06 V	-0,00005 V	49.2%	Pass
Channel 6	0.00900 V	0.00894 V	0.00890 V	0.00910 V	3.50 e-06 V	-0,00006 V	58.9%	Pass
Channel 7	0.00900 V	0.00896 V	0.00890 V	0.00910 V	3.50 e-06 V	-0,00004 V	38.3%	Pass
Channel 8	0.00900 V	0.00893 V	0.00890 V	0.00910 V	3.50 e-06 V	-0,00007 V	65.7%	Pass
True Value: -0.009V								
Channel 1	-0.00900 V	-0.00902 V	-0.00910 V	-0.00890 V	3.50 e-06 V	-0,00002 V	23.1%	Pass
Channel 2	-0.00900 V	-0.00904 V	-0.00910 V	-0.00890 V	3.50 e-06 V	-0,00004 V	39.3%	Pass
Channel 3	-0.00900 V	-0.00906 V	-0.00910 V	-0.00890 V	3.50 e-06 V	-0,00006 V	55%	Pass
Channel 4	-0.00900 V	-0.00904 V	-0.00910 V	-0.00890 V	3.50 e-06 V	-0,00004 V	35.6%	Pass
Channel 5	-0.00900 V	-0.00904 V	-0.00910 V	-0.00890 V	3.50 e-06 V	-0,00004 V	40.8%	Pass
Channel 6	-0.00900 V	-0.00905 V	-0.00910 V	-0.00890 V	3.50 e-06 V	-0,00005 V	50.5%	Pass
Channel 7	-0.00900 V	-0.00903 V	-0.00910 V	-0.00890 V	3.50 e-06 V	-0,00003 V	30.4%	Pass
Channel 8	-0.00900 V	-0.00906 V	-0.00910 V	-0.00890 V	3.50 e-06 V	-0,00006 V	57.3%	Pass

11. Testergebnisse / Test results

Test Description	True Value	Test Result	Lower limit	Upper limit	Exp Uncert	Error	% of Tol	Status
True Value: 0.001V @ 1kHz								
Channel 1	0.00100 V	0.00100 V	0.00090 V	0.00110 V	8.40 e-06 V	0,00000 V	0.097%	Pass
Channel 2	0.00100 V	0.00100 V	0.00090 V	0.00110 V	8.40 e-06 V	0,00000 V	0.811%	Pass
Channel 3	0.00100 V	0.00100 V	0.00090 V	0.00110 V	8.40 e-06 V	0,00000 V	1.65%	Pass
Channel 4	0.00100 V	0.00100 V	0.00090 V	0.00110 V	8.40 e-06 V	0,00000 V	0.598%	Pass
Channel 5	0.00100 V	0.00100 V	0.00090 V	0.00110 V	8.40 e-06 V	0,00000 V	0.815%	Pass
Channel 6	0.00100 V	0.00100 V	0.00090 V	0.00110 V	8.40 e-06 V	0,00000 V	1.43%	Pass
Channel 7	0.00100 V	0.00100 V	0.00090 V	0.00110 V	8.40 e-06 V	0,00000 V	0.534%	Pass
Channel 8	0.00100 V	0.00100 V	0.00090 V	0.00110 V	8.40 e-06 V	0,00000 V	1.79%	Pass
True Value: 0.007V @ 20Hz								
Channel 1	0.00700 V	0.00700 V	0.00690 V	0.00710 V	15.00 e-06 V	0,00000 V	3.23%	Pass
Channel 2	0.00700 V	0.00700 V	0.00690 V	0.00710 V	15.00 e-06 V	0,00000 V	2.83%	Pass
Channel 3	0.00700 V	0.00700 V	0.00690 V	0.00710 V	15.00 e-06 V	0,00000 V	2.96%	Pass
Channel 4	0.00700 V	0.00700 V	0.00690 V	0.00710 V	15.00 e-06 V	0,00000 V	3.09%	Pass
Channel 5	0.00700 V	0.00700 V	0.00690 V	0.00710 V	15.00 e-06 V	0,00000 V	2.88%	Pass
Channel 6	0.00700 V	0.00700 V	0.00690 V	0.00710 V	15.00 e-06 V	0,00000 V	2.77%	Pass
Channel 7	0.00700 V	0.00700 V	0.00690 V	0.00710 V	15.00 e-06 V	0,00000 V	2.73%	Pass
Channel 8	0.00700 V	0.00700 V	0.00690 V	0.00710 V	15.00 e-06 V	0,00000 V	2.84%	Pass
True Value: 0.007V @ 50Hz								
Channel 1	0.00700 V	0.00700 V	0.00690 V	0.00710 V	9.50 e-06 V	0,00000 V	4.38%	Pass
Channel 2	0.00700 V	0.00700 V	0.00690 V	0.00710 V	9.50 e-06 V	0,00000 V	3.93%	Pass
Channel 3	0.00700 V	0.00700 V	0.00690 V	0.00710 V	9.50 e-06 V	0,00000 V	4.05%	Pass
Channel 4	0.00700 V	0.00700 V	0.00690 V	0.00710 V	9.50 e-06 V	0,00000 V	4.03%	Pass
Channel 5	0.00700 V	0.00700 V	0.00690 V	0.00710 V	9.50 e-06 V	0,00000 V	3.79%	Pass
Channel 6	0.00700 V	0.00700 V	0.00690 V	0.00710 V	9.50 e-06 V	0,00000 V	3.56%	Pass
Channel 7	0.00700 V	0.00700 V	0.00690 V	0.00710 V	9.50 e-06 V	0,00000 V	3.4%	Pass
Channel 8	0.00700 V	0.00700 V	0.00690 V	0.00710 V	9.50 e-06 V	0,00000 V	3.5%	Pass
True Value: 0.007V @ 1kHz								
Channel 1	0.00700 V	0.00700 V	0.00690 V	0.00710 V	9.50 e-06 V	0,00000 V	2.91%	Pass
Channel 2	0.00700 V	0.00700 V	0.00690 V	0.00710 V	9.50 e-06 V	0,00000 V	2.37%	Pass
Channel 3	0.00700 V	0.00700 V	0.00690 V	0.00710 V	9.50 e-06 V	0,00000 V	2.58%	Pass
Channel 4	0.00700 V	0.00700 V	0.00690 V	0.00710 V	9.50 e-06 V	0,00000 V	2.69%	Pass
Channel 5	0.00700 V	0.00700 V	0.00690 V	0.00710 V	9.50 e-06 V	0,00000 V	2.51%	Pass
Channel 6	0.00700 V	0.00700 V	0.00690 V	0.00710 V	9.50 e-06 V	0,00000 V	2.34%	Pass
Channel 7	0.00700 V	0.00700 V	0.00690 V	0.00710 V	9.50 e-06 V	0,00000 V	2.28%	Pass
Channel 8	0.00700 V	0.00700 V	0.00690 V	0.00710 V	9.50 e-06 V	0,00000 V	2.3%	Pass
Range: 100mV Samplerate: 200kS/s Filter: off								
True Value: 0.01V								
Channel 1	0.01000 V	0.00998 V	0.00990 V	0.01010 V	3.50 e-06 V	-0,00002 V	22.9%	Pass
Channel 2	0.01000 V	0.00996 V	0.00990 V	0.01010 V	3.50 e-06 V	-0,00004 V	40.7%	Pass
Channel 3	0.01000 V	0.00994 V	0.00990 V	0.01010 V	3.50 e-06 V	-0,00006 V	54.8%	Pass
Channel 4	0.01000 V	0.00996 V	0.00990 V	0.01010 V	3.50 e-06 V	-0,00004 V	36.4%	Pass
Channel 5	0.01000 V	0.00996 V	0.00990 V	0.01010 V	3.50 e-06 V	-0,00004 V	40%	Pass
Channel 6	0.01000 V	0.00995 V	0.00990 V	0.01010 V	3.50 e-06 V	-0,00005 V	51.2%	Pass
Channel 7	0.01000 V	0.00997 V	0.00990 V	0.01010 V	3.50 e-06 V	-0,00003 V	30.2%	Pass
Channel 8	0.01000 V	0.00994 V	0.00990 V	0.01010 V	3.50 e-06 V	-0,00006 V	56.3%	Pass
True Value: 0.05V								
Channel 1	0.05000 V	0.04996 V	0.04988 V	0.05013 V	3.80 e-06 V	-0,00004 V	35.3%	Pass
Channel 2	0.05000 V	0.04994 V	0.04988 V	0.05013 V	3.80 e-06 V	-0,00006 V	49.3%	Pass
Channel 3	0.05000 V	0.04992 V	0.04988 V	0.05013 V	3.80 e-06 V	-0,00008 V	62.7%	Pass
Channel 4	0.05000 V	0.04994 V	0.04988 V	0.05013 V	3.80 e-06 V	-0,00006 V	46.5%	Pass
Channel 5	0.05000 V	0.04994 V	0.04988 V	0.05013 V	3.80 e-06 V	-0,00006 V	49.1%	Pass
Channel 6	0.05000 V	0.04993 V	0.04988 V	0.05013 V	3.80 e-06 V	-0,00007 V	58.1%	Pass
Channel 7	0.05000 V	0.04995 V	0.04988 V	0.05013 V	3.80 e-06 V	-0,00005 V	39.7%	Pass
Channel 8	0.05000 V	0.04992 V	0.04988 V	0.05013 V	3.80 e-06 V	-0,00008 V	63.7%	Pass
True Value: 0.09V								
Channel 1	0.09000 V	0.08993 V	0.08985 V	0.09015 V	4.10 e-06 V	-0,00007 V	46.4%	Pass
Channel 2	0.09000 V	0.08992 V	0.08985 V	0.09015 V	4.10 e-06 V	-0,00008 V	57.9%	Pass
Channel 3	0.09000 V	0.08990 V	0.08985 V	0.09015 V	4.10 e-06 V	-0,00010 V	70.1%	Pass
Channel 4	0.09000 V	0.08992 V	0.08985 V	0.09015 V	4.10 e-06 V	-0,00008 V	55.4%	Pass
Channel 5	0.09000 V	0.08992 V	0.08985 V	0.09015 V	4.10 e-06 V	-0,00008 V	57.4%	Pass
Channel 6	0.09000 V	0.08991 V	0.08985 V	0.09015 V	4.10 e-06 V	-0,00009 V	65.1%	Pass
Channel 7	0.09000 V	0.08993 V	0.08985 V	0.09015 V	4.10 e-06 V	-0,00007 V	48.1%	Pass
Channel 8	0.09000 V	0.08990 V	0.08985 V	0.09015 V	4.10 e-06 V	-0,00010 V	70.4%	Pass
True Value: -0.09V								
Channel 1	-0.09000 V	-0.08999 V	-0.09015 V	-0.08985 V	4.10 e-06 V	0,00001 V	7.7%	Pass
Channel 2	-0.09000 V	-0.09001 V	-0.09015 V	-0.08985 V	4.10 e-06 V	-0,00001 V	6.41%	Pass
Channel 3	-0.09000 V	-0.09002 V	-0.09015 V	-0.08985 V	4.10 e-06 V	-0,00002 V	13.7%	Pass
Channel 4	-0.09000 V	-0.09000 V	-0.09015 V	-0.08985 V	4.10 e-06 V	0,00000 V	1.16%	Pass
Channel 5	-0.09000 V	-0.09001 V	-0.09015 V	-0.08985 V	4.10 e-06 V	-0,00001 V	5.67%	Pass

11. Testergebnisse / Test results

Test Description	True Value	Test Result	Lower limit	Upper limit	Exp Uncert	Error	% of Tol	Status
Channel 6	-0.09000 V	-0.09002 V	-0.09015 V	-0.08985 V	4.10 e-06 V	-0,00002 V	13.4%	Pass
Channel 7	-0.09000 V	-0.09000 V	-0.09015 V	-0.08985 V	4.10 e-06 V	0,00000 V	0.854%	Pass
Channel 8	-0.09000 V	-0.09002 V	-0.09015 V	-0.08985 V	4.10 e-06 V	-0,00002 V	14.4%	Pass
True Value: 0.07V @ 20Hz								
Channel 1	0.07000 V	0.06997 V	0.06987 V	0.07014 V	37.00 e-06 V	-0,00003 V	20.5%	Pass
Channel 2	0.07000 V	0.06997 V	0.06987 V	0.07014 V	37.00 e-06 V	-0,00003 V	19.6%	Pass
Channel 3	0.07000 V	0.06997 V	0.06987 V	0.07014 V	37.00 e-06 V	-0,00003 V	21.6%	Pass
Channel 4	0.07000 V	0.06997 V	0.06987 V	0.07014 V	37.00 e-06 V	-0,00003 V	20.6%	Pass
Channel 5	0.07000 V	0.06997 V	0.06987 V	0.07014 V	37.00 e-06 V	-0,00003 V	19.6%	Pass
Channel 6	0.07000 V	0.06997 V	0.06987 V	0.07014 V	37.00 e-06 V	-0,00003 V	19.5%	Pass
Channel 7	0.07000 V	0.06998 V	0.06987 V	0.07014 V	37.00 e-06 V	-0,00002 V	17.6%	Pass
Channel 8	0.07000 V	0.06997 V	0.06987 V	0.07014 V	37.00 e-06 V	-0,00003 V	21.3%	Pass
True Value: 0.07V @ 50Hz								
Channel 1	0.07000 V	0.06997 V	0.06987 V	0.07014 V	23.00 e-06 V	-0,00003 V	20.3%	Pass
Channel 2	0.07000 V	0.06997 V	0.06987 V	0.07014 V	23.00 e-06 V	-0,00003 V	18.9%	Pass
Channel 3	0.07000 V	0.06997 V	0.06987 V	0.07014 V	23.00 e-06 V	-0,00003 V	20.7%	Pass
Channel 4	0.07000 V	0.06997 V	0.06987 V	0.07014 V	23.00 e-06 V	-0,00003 V	19.7%	Pass
Channel 5	0.07000 V	0.06997 V	0.06987 V	0.07014 V	23.00 e-06 V	-0,00003 V	18.5%	Pass
Channel 6	0.07000 V	0.06998 V	0.06987 V	0.07014 V	23.00 e-06 V	-0,00002 V	18.4%	Pass
Channel 7	0.07000 V	0.06998 V	0.06987 V	0.07014 V	23.00 e-06 V	-0,00002 V	16.4%	Pass
Channel 8	0.07000 V	0.06997 V	0.06987 V	0.07014 V	23.00 e-06 V	-0,00003 V	20.1%	Pass
True Value: 0.07V @ 1kHz								
Channel 1	0.07000 V	0.06997 V	0.06987 V	0.07014 V	23.00 e-06 V	-0,00003 V	21.2%	Pass
Channel 2	0.07000 V	0.06997 V	0.06987 V	0.07014 V	23.00 e-06 V	-0,00003 V	20.2%	Pass
Channel 3	0.07000 V	0.06997 V	0.06987 V	0.07014 V	23.00 e-06 V	-0,00003 V	22.3%	Pass
Channel 4	0.07000 V	0.06997 V	0.06987 V	0.07014 V	23.00 e-06 V	-0,00003 V	21.5%	Pass
Channel 5	0.07000 V	0.06997 V	0.06987 V	0.07014 V	23.00 e-06 V	-0,00003 V	20.4%	Pass
Channel 6	0.07000 V	0.06997 V	0.06987 V	0.07014 V	23.00 e-06 V	-0,00003 V	20.4%	Pass
Channel 7	0.07000 V	0.06998 V	0.06987 V	0.07014 V	23.00 e-06 V	-0,00002 V	18%	Pass
Channel 8	0.07000 V	0.06997 V	0.06987 V	0.07014 V	23.00 e-06 V	-0,00003 V	21.8%	Pass
Range: 1V Samplerate: 200kS/s Filter: off								
True Value: 0.1V								
Channel 1	0.10000 V	0.09995 V	0.09975 V	0.10025 V	4.20 e-06 V	-0,00005 V	18%	Pass
Channel 2	0.10000 V	0.09992 V	0.09975 V	0.10025 V	4.20 e-06 V	-0,00008 V	30.9%	Pass
Channel 3	0.10000 V	0.09993 V	0.09975 V	0.10025 V	4.20 e-06 V	-0,00007 V	30%	Pass
Channel 4	0.10000 V	0.09993 V	0.09975 V	0.10025 V	4.20 e-06 V	-0,00007 V	27.6%	Pass
Channel 5	0.10000 V	0.09995 V	0.09975 V	0.10025 V	4.20 e-06 V	-0,00005 V	21.4%	Pass
Channel 6	0.10000 V	0.09992 V	0.09975 V	0.10025 V	4.20 e-06 V	-0,00008 V	32%	Pass
Channel 7	0.10000 V	0.09995 V	0.09975 V	0.10025 V	4.20 e-06 V	-0,00005 V	19.3%	Pass
Channel 8	0.10000 V	0.09993 V	0.09975 V	0.10025 V	4.20 e-06 V	-0,00007 V	26.4%	Pass
True Value: -0.1V								
Channel 1	-0.10000 V	-0.09996 V	-0.10025 V	-0.09975 V	4.20 e-06 V	0,00004 V	17.5%	Pass
Channel 2	-0.10000 V	-0.10000 V	-0.10025 V	-0.09975 V	4.20 e-06 V	0,00000 V	1.44%	Pass
Channel 3	-0.10000 V	-0.09998 V	-0.10025 V	-0.09975 V	4.20 e-06 V	0,00002 V	6.83%	Pass
Channel 4	-0.10000 V	-0.09998 V	-0.10025 V	-0.09975 V	4.20 e-06 V	0,00002 V	8.05%	Pass
Channel 5	-0.10000 V	-0.09997 V	-0.10025 V	-0.09975 V	4.20 e-06 V	0,00003 V	12.6%	Pass
Channel 6	-0.10000 V	-0.10000 V	-0.10025 V	-0.09975 V	4.20 e-06 V	0,00000 V	0.852%	Pass
Channel 7	-0.10000 V	-0.09998 V	-0.10025 V	-0.09975 V	4.20 e-06 V	0,00002 V	9.86%	Pass
Channel 8	-0.10000 V	-0.09998 V	-0.10025 V	-0.09975 V	4.20 e-06 V	0,00002 V	8.77%	Pass
True Value: 0.3V								
Channel 1	0.30000 V	0.29987 V	0.29965 V	0.30035 V	8.90 e-06 V	-0,00013 V	38.5%	Pass
Channel 2	0.30000 V	0.29984 V	0.29965 V	0.30035 V	8.90 e-06 V	-0,00016 V	46.1%	Pass
Channel 3	0.30000 V	0.29983 V	0.29965 V	0.30035 V	8.90 e-06 V	-0,00017 V	48.3%	Pass
Channel 4	0.30000 V	0.29984 V	0.29965 V	0.30035 V	8.90 e-06 V	-0,00016 V	46%	Pass
Channel 5	0.30000 V	0.29986 V	0.29965 V	0.30035 V	8.90 e-06 V	-0,00014 V	40.2%	Pass
Channel 6	0.30000 V	0.29984 V	0.29965 V	0.30035 V	8.90 e-06 V	-0,00016 V	46.9%	Pass
Channel 7	0.30000 V	0.29988 V	0.29965 V	0.30035 V	8.90 e-06 V	-0,00012 V	35.5%	Pass
Channel 8	0.30000 V	0.29984 V	0.29965 V	0.30035 V	8.90 e-06 V	-0,00016 V	45.2%	Pass
True Value: 0.5V								
Channel 1	0.50000 V	0.50000 V	0.49955 V	0.50045 V	9.80 e-06 V	0,00000 V	1.02%	Pass
Channel 2	0.50000 V	0.49998 V	0.49955 V	0.50045 V	9.80 e-06 V	-0,00002 V	3.5%	Pass
Channel 3	0.50000 V	0.49997 V	0.49955 V	0.50045 V	9.80 e-06 V	-0,00003 V	6.24%	Pass
Channel 4	0.50000 V	0.49998 V	0.49955 V	0.50045 V	9.80 e-06 V	-0,00002 V	4.09%	Pass
Channel 5	0.50000 V	0.50001 V	0.49955 V	0.50045 V	9.80 e-06 V	0,00001 V	1.66%	Pass
Channel 6	0.50000 V	0.49998 V	0.49955 V	0.50045 V	9.80 e-06 V	-0,00002 V	3.43%	Pass
Channel 7	0.50000 V	0.50004 V	0.49955 V	0.50045 V	9.80 e-06 V	0,00004 V	8.15%	Pass
Channel 8	0.50000 V	0.49999 V	0.49955 V	0.50045 V	9.80 e-06 V	-0,00001 V	3%	Pass
True Value: -0.5V								
Channel 1	-0.50000 V	-0.50002 V	-0.50045 V	-0.49955 V	9.80 e-06 V	-0,00002 V	3.61%	Pass

11. Testergebnisse / Test results

Test Description	True Value	Test Result	Lower limit	Upper limit	Exp Uncert	Error	% of Tol	Status
Channel 2	-0.50000 V	-0.50006 V	-0.50045 V	-0.49955 V	9.80 e-06 V	-0,00006 V	14%	Pass
Channel 3	-0.50000 V	-0.50004 V	-0.50045 V	-0.49955 V	9.80 e-06 V	-0,00004 V	8.21%	Pass
Channel 4	-0.50000 V	-0.50004 V	-0.50045 V	-0.49955 V	9.80 e-06 V	-0,00004 V	7.9%	Pass
Channel 5	-0.50000 V	-0.50004 V	-0.50045 V	-0.49955 V	9.80 e-06 V	-0,00004 V	9.01%	Pass
Channel 6	-0.50000 V	-0.50007 V	-0.50045 V	-0.49955 V	9.80 e-06 V	-0,00007 V	15.8%	Pass
Channel 7	-0.50000 V	-0.50007 V	-0.50045 V	-0.49955 V	9.80 e-06 V	-0,00007 V	15.7%	Pass
Channel 8	-0.50000 V	-0.50004 V	-0.50045 V	-0.49955 V	9.80 e-06 V	-0,00004 V	9.81%	Pass
True Value: 0.7V								
Channel 1	0.70000 V	0.69999 V	0.69945 V	0.70055 V	13.00 e-06 V	-0,00001 V	1.94%	Pass
Channel 2	0.70000 V	0.69997 V	0.69945 V	0.70055 V	13.00 e-06 V	-0,00003 V	5.53%	Pass
Channel 3	0.70000 V	0.69995 V	0.69945 V	0.70055 V	13.00 e-06 V	-0,00005 V	8.54%	Pass
Channel 4	0.70000 V	0.69996 V	0.69945 V	0.70055 V	13.00 e-06 V	-0,00004 V	6.47%	Pass
Channel 5	0.70000 V	0.70000 V	0.69945 V	0.70055 V	13.00 e-06 V	0,00000 V	0.837%	Pass
Channel 6	0.70000 V	0.69997 V	0.69945 V	0.70055 V	13.00 e-06 V	-0,00003 V	4.66%	Pass
Channel 7	0.70000 V	0.70004 V	0.69945 V	0.70055 V	13.00 e-06 V	0,00004 V	7.12%	Pass
Channel 8	0.70000 V	0.69997 V	0.69945 V	0.70055 V	13.00 e-06 V	-0,00003 V	4.67%	Pass
True Value: 0.9V								
Channel 1	0.90000 V	0.89997 V	0.89935 V	0.90065 V	15.00 e-06 V	-0,00003 V	3.98%	Pass
Channel 2	0.90000 V	0.89996 V	0.89935 V	0.90065 V	15.00 e-06 V	-0,00004 V	6.61%	Pass
Channel 3	0.90000 V	0.89993 V	0.89935 V	0.90065 V	15.00 e-06 V	-0,00007 V	10.2%	Pass
Channel 4	0.90000 V	0.89995 V	0.89935 V	0.90065 V	15.00 e-06 V	-0,00005 V	8.13%	Pass
Channel 5	0.90000 V	0.89998 V	0.89935 V	0.90065 V	15.00 e-06 V	-0,00002 V	2.81%	Pass
Channel 6	0.90000 V	0.89996 V	0.89935 V	0.90065 V	15.00 e-06 V	-0,00004 V	5.8%	Pass
Channel 7	0.90000 V	0.90003 V	0.89935 V	0.90065 V	15.00 e-06 V	0,00003 V	5.23%	Pass
Channel 8	0.90000 V	0.89996 V	0.89935 V	0.90065 V	15.00 e-06 V	-0,00004 V	6.54%	Pass
True Value: -0.9V								
Channel 1	-0.90000 V	-0.90004 V	-0.90065 V	-0.89935 V	15.00 e-06 V	-0,00004 V	5.49%	Pass
Channel 2	-0.90000 V	-0.90009 V	-0.90065 V	-0.89935 V	15.00 e-06 V	-0,00009 V	14.2%	Pass
Channel 3	-0.90000 V	-0.90005 V	-0.90065 V	-0.89935 V	15.00 e-06 V	-0,00005 V	7.57%	Pass
Channel 4	-0.90000 V	-0.90005 V	-0.90065 V	-0.89935 V	15.00 e-06 V	-0,00005 V	8.29%	Pass
Channel 5	-0.90000 V	-0.90006 V	-0.90065 V	-0.89935 V	15.00 e-06 V	-0,00006 V	9.46%	Pass
Channel 6	-0.90000 V	-0.90010 V	-0.90065 V	-0.89935 V	15.00 e-06 V	-0,00010 V	14.6%	Pass
Channel 7	-0.90000 V	-0.90011 V	-0.90065 V	-0.89935 V	15.00 e-06 V	-0,00011 V	17.4%	Pass
Channel 8	-0.90000 V	-0.90005 V	-0.90065 V	-0.89935 V	15.00 e-06 V	-0,00005 V	8.2%	Pass
True Value: 0.1V @ 20Hz								
Channel 1	0.10000 V	0.09996 V	0.09975 V	0.10025 V	48.00 e-06 V	-0,00004 V	15.8%	Pass
Channel 2	0.10000 V	0.09996 V	0.09975 V	0.10025 V	48.00 e-06 V	-0,00004 V	14.7%	Pass
Channel 3	0.10000 V	0.09996 V	0.09975 V	0.10025 V	48.00 e-06 V	-0,00004 V	16.9%	Pass
Channel 4	0.10000 V	0.09996 V	0.09975 V	0.10025 V	48.00 e-06 V	-0,00004 V	16.4%	Pass
Channel 5	0.10000 V	0.09996 V	0.09975 V	0.10025 V	48.00 e-06 V	-0,00004 V	15.4%	Pass
Channel 6	0.10000 V	0.09996 V	0.09975 V	0.10025 V	48.00 e-06 V	-0,00004 V	14.9%	Pass
Channel 7	0.10000 V	0.09997 V	0.09975 V	0.10025 V	48.00 e-06 V	-0,00003 V	13%	Pass
Channel 8	0.10000 V	0.09996 V	0.09975 V	0.10025 V	48.00 e-06 V	-0,00004 V	16.2%	Pass
True Value: 0.1V @ 50Hz								
Channel 1	0.10000 V	0.09996 V	0.09975 V	0.10025 V	29.00 e-06 V	-0,00004 V	15.8%	Pass
Channel 2	0.10000 V	0.09996 V	0.09975 V	0.10025 V	29.00 e-06 V	-0,00004 V	14.7%	Pass
Channel 3	0.10000 V	0.09996 V	0.09975 V	0.10025 V	29.00 e-06 V	-0,00004 V	16.7%	Pass
Channel 4	0.10000 V	0.09996 V	0.09975 V	0.10025 V	29.00 e-06 V	-0,00004 V	16.3%	Pass
Channel 5	0.10000 V	0.09996 V	0.09975 V	0.10025 V	29.00 e-06 V	-0,00004 V	15.4%	Pass
Channel 6	0.10000 V	0.09996 V	0.09975 V	0.10025 V	29.00 e-06 V	-0,00004 V	15%	Pass
Channel 7	0.10000 V	0.09997 V	0.09975 V	0.10025 V	29.00 e-06 V	-0,00003 V	13.2%	Pass
Channel 8	0.10000 V	0.09996 V	0.09975 V	0.10025 V	29.00 e-06 V	-0,00004 V	16.5%	Pass
True Value: 0.1V @ 1kHz								
Channel 1	0.10000 V	0.09996 V	0.09975 V	0.10025 V	29.00 e-06 V	-0,00004 V	17.1%	Pass
Channel 2	0.10000 V	0.09996 V	0.09975 V	0.10025 V	29.00 e-06 V	-0,00004 V	15.6%	Pass
Channel 3	0.10000 V	0.09996 V	0.09975 V	0.10025 V	29.00 e-06 V	-0,00004 V	17.7%	Pass
Channel 4	0.10000 V	0.09996 V	0.09975 V	0.10025 V	29.00 e-06 V	-0,00004 V	17.1%	Pass
Channel 5	0.10000 V	0.09996 V	0.09975 V	0.10025 V	29.00 e-06 V	-0,00004 V	16.1%	Pass
Channel 6	0.10000 V	0.09996 V	0.09975 V	0.10025 V	29.00 e-06 V	-0,00004 V	15.6%	Pass
Channel 7	0.10000 V	0.09997 V	0.09975 V	0.10025 V	29.00 e-06 V	-0,00003 V	13.8%	Pass
Channel 8	0.10000 V	0.09996 V	0.09975 V	0.10025 V	29.00 e-06 V	-0,00004 V	17.1%	Pass
True Value: 0.5V @ 20Hz								
Channel 1	0.50000 V	0.50002 V	0.49955 V	0.50045 V	250.00 e-06 V	0,00002 V	4.61%	Pass
Channel 2	0.50000 V	0.50003 V	0.49955 V	0.50045 V	250.00 e-06 V	0,00003 V	6.88%	Pass
Channel 3	0.50000 V	0.50001 V	0.49955 V	0.50045 V	250.00 e-06 V	0,00001 V	2.74%	Pass
Channel 4	0.50000 V	0.50002 V	0.49955 V	0.50045 V	250.00 e-06 V	0,00002 V	3.79%	Pass
Channel 5	0.50000 V	0.50003 V	0.49955 V	0.50045 V	250.00 e-06 V	0,00003 V	6.11%	Pass
Channel 6	0.50000 V	0.50003 V	0.49955 V	0.50045 V	250.00 e-06 V	0,00003 V	6.99%	Pass
Channel 7	0.50000 V	0.50006 V	0.49955 V	0.50045 V	250.00 e-06 V	0,00006 V	13.7%	Pass
Channel 8	0.50000 V	0.50002 V	0.49955 V	0.50045 V	250.00 e-06 V	0,00002 V	5.49%	Pass
True Value: 0.5V @ 50Hz								
Channel 1	0.50000 V	0.50002 V	0.49955 V	0.50045 V	170.00 e-06 V	0,00002 V	4.32%	Pass

11. Testergebnisse / Test results

Test Description	True Value	Test Result	Lower limit	Upper limit	Exp Uncert	Error	% of Tol	Status
Channel 2	0.50000 V	0.50003 V	0.49955 V	0.50045 V	170.00 e-06 V	0,00003 V	7.21%	Pass
Channel 3	0.50000 V	0.50001 V	0.49955 V	0.50045 V	170.00 e-06 V	0,00001 V	2.97%	Pass
Channel 4	0.50000 V	0.50002 V	0.49955 V	0.50045 V	170.00 e-06 V	0,00002 V	3.65%	Pass
Channel 5	0.50000 V	0.50003 V	0.49955 V	0.50045 V	170.00 e-06 V	0,00003 V	7.1%	Pass
Channel 6	0.50000 V	0.50004 V	0.49955 V	0.50045 V	170.00 e-06 V	0,00004 V	8.39%	Pass
Channel 7	0.50000 V	0.50006 V	0.49955 V	0.50045 V	170.00 e-06 V	0,00006 V	14.2%	Pass
Channel 8	0.50000 V	0.50003 V	0.49955 V	0.50045 V	170.00 e-06 V	0,00003 V	5.8%	Pass
True Value: 0.5V @ 1kHz								
Channel 1	0.50000 V	0.50001 V	0.49955 V	0.50045 V	170.00 e-06 V	0,00001 V	2.76%	Pass
Channel 2	0.50000 V	0.50003 V	0.49955 V	0.50045 V	170.00 e-06 V	0,00003 V	5.94%	Pass
Channel 3	0.50000 V	0.50001 V	0.49955 V	0.50045 V	170.00 e-06 V	0,00001 V	1.18%	Pass
Channel 4	0.50000 V	0.50001 V	0.49955 V	0.50045 V	170.00 e-06 V	0,00001 V	2.1%	Pass
Channel 5	0.50000 V	0.50003 V	0.49955 V	0.50045 V	170.00 e-06 V	0,00003 V	5.72%	Pass
Channel 6	0.50000 V	0.50003 V	0.49955 V	0.50045 V	170.00 e-06 V	0,00003 V	6.07%	Pass
Channel 7	0.50000 V	0.50005 V	0.49955 V	0.50045 V	170.00 e-06 V	0,00005 V	11.6%	Pass
Channel 8	0.50000 V	0.50001 V	0.49955 V	0.50045 V	170.00 e-06 V	0,00001 V	3.29%	Pass
True Value: 0.7V @ 20Hz								
Channel 1	0.70000 V	0.70002 V	0.69945 V	0.70055 V	320.00 e-06 V	0,00002 V	3.92%	Pass
Channel 2	0.70000 V	0.70003 V	0.69945 V	0.70055 V	320.00 e-06 V	0,00003 V	6.19%	Pass
Channel 3	0.70000 V	0.70001 V	0.69945 V	0.70055 V	320.00 e-06 V	0,00001 V	1.24%	Pass
Channel 4	0.70000 V	0.70001 V	0.69945 V	0.70055 V	320.00 e-06 V	0,00001 V	2.65%	Pass
Channel 5	0.70000 V	0.70003 V	0.69945 V	0.70055 V	320.00 e-06 V	0,00003 V	5.37%	Pass
Channel 6	0.70000 V	0.70004 V	0.69945 V	0.70055 V	320.00 e-06 V	0,00004 V	6.56%	Pass
Channel 7	0.70000 V	0.70007 V	0.69945 V	0.70055 V	320.00 e-06 V	0,00007 V	13%	Pass
Channel 8	0.70000 V	0.70002 V	0.69945 V	0.70055 V	320.00 e-06 V	0,00002 V	3.49%	Pass
True Value: 0.7V @ 50Hz								
Channel 1	0.70000 V	0.70002 V	0.69945 V	0.70055 V	210.00 e-06 V	0,00002 V	3.62%	Pass
Channel 2	0.70000 V	0.70003 V	0.69945 V	0.70055 V	210.00 e-06 V	0,00003 V	5.94%	Pass
Channel 3	0.70000 V	0.70001 V	0.69945 V	0.70055 V	210.00 e-06 V	0,00001 V	1.56%	Pass
Channel 4	0.70000 V	0.70001 V	0.69945 V	0.70055 V	210.00 e-06 V	0,00001 V	2.65%	Pass
Channel 5	0.70000 V	0.70003 V	0.69945 V	0.70055 V	210.00 e-06 V	0,00003 V	5.76%	Pass
Channel 6	0.70000 V	0.70004 V	0.69945 V	0.70055 V	210.00 e-06 V	0,00004 V	6.58%	Pass
Channel 7	0.70000 V	0.70007 V	0.69945 V	0.70055 V	210.00 e-06 V	0,00007 V	12.9%	Pass
Channel 8	0.70000 V	0.70002 V	0.69945 V	0.70055 V	210.00 e-06 V	0,00002 V	3.24%	Pass
True Value: 0.7V @ 1kHz								
Channel 1	0.70000 V	0.69998 V	0.69945 V	0.70055 V	210.00 e-06 V	-0,00002 V	4.21%	Pass
Channel 2	0.70000 V	0.70000 V	0.69945 V	0.70055 V	210.00 e-06 V	0,00000 V	0.555%	Pass
Channel 3	0.70000 V	0.69997 V	0.69945 V	0.70055 V	210.00 e-06 V	-0,00003 V	4.95%	Pass
Channel 4	0.70000 V	0.69998 V	0.69945 V	0.70055 V	210.00 e-06 V	-0,00002 V	3.07%	Pass
Channel 5	0.70000 V	0.70000 V	0.69945 V	0.70055 V	210.00 e-06 V	0,00000 V	0.384%	Pass
Channel 6	0.70000 V	0.70001 V	0.69945 V	0.70055 V	210.00 e-06 V	0,00001 V	1.73%	Pass
Channel 7	0.70000 V	0.70005 V	0.69945 V	0.70055 V	210.00 e-06 V	0,00005 V	8.92%	Pass
Channel 8	0.70000 V	0.69999 V	0.69945 V	0.70055 V	210.00 e-06 V	-0,00001 V	0.999%	Pass
True Value: 0.7V @ 10kHz								
Channel 1	0.70000 V	0.69755 V	0.60000 V	0.80000 V	210.00 e-06 V	-0,00245 V	2.45%	Pass
Channel 2	0.70000 V	0.69761 V	0.60000 V	0.80000 V	210.00 e-06 V	-0,00239 V	2.39%	Pass
Channel 3	0.70000 V	0.69752 V	0.60000 V	0.80000 V	210.00 e-06 V	-0,00248 V	2.48%	Pass
Channel 4	0.70000 V	0.69746 V	0.60000 V	0.80000 V	210.00 e-06 V	-0,00254 V	2.54%	Pass
Channel 5	0.70000 V	0.69749 V	0.60000 V	0.80000 V	210.00 e-06 V	-0,00251 V	2.51%	Pass
Channel 6	0.70000 V	0.69740 V	0.60000 V	0.80000 V	210.00 e-06 V	-0,00260 V	2.6%	Pass
Channel 7	0.70000 V	0.69759 V	0.60000 V	0.80000 V	210.00 e-06 V	-0,00241 V	2.41%	Pass
Channel 8	0.70000 V	0.69750 V	0.60000 V	0.80000 V	210.00 e-06 V	-0,00250 V	2.5%	Pass
True Value: 0.7V @ 20kHz								
Channel 1	0.70000 V	0.69203 V	0.60000 V	0.80000 V	240.00 e-06 V	-0,00797 V	7.97%	Pass
Channel 2	0.70000 V	0.69221 V	0.60000 V	0.80000 V	240.00 e-06 V	-0,00779 V	7.79%	Pass
Channel 3	0.70000 V	0.69193 V	0.60000 V	0.80000 V	240.00 e-06 V	-0,00807 V	8.07%	Pass
Channel 4	0.70000 V	0.69168 V	0.60000 V	0.80000 V	240.00 e-06 V	-0,00832 V	8.32%	Pass
Channel 5	0.70000 V	0.69177 V	0.60000 V	0.80000 V	240.00 e-06 V	-0,00823 V	8.23%	Pass
Channel 6	0.70000 V	0.69137 V	0.60000 V	0.80000 V	240.00 e-06 V	-0,00863 V	8.63%	Pass
Channel 7	0.70000 V	0.69201 V	0.60000 V	0.80000 V	240.00 e-06 V	-0,00799 V	7.99%	Pass
Channel 8	0.70000 V	0.69182 V	0.60000 V	0.80000 V	240.00 e-06 V	-0,00818 V	8.18%	Pass
Range: 10V Samplerate: 200kS/s Filter: off								
True Value: 1V								
Channel 1	1.0000 V	1.0002 V	0.9985 V	1.0015 V	17.00 e-06 V	0,0002 V	14.9%	Pass
Channel 2	1.0000 V	1.0000 V	0.9985 V	1.0015 V	17.00 e-06 V	0,0000 V	2.16%	Pass
Channel 3	1.0000 V	1.0002 V	0.9985 V	1.0015 V	17.00 e-06 V	0,0002 V	13.5%	Pass
Channel 4	1.0000 V	1.0001 V	0.9985 V	1.0015 V	17.00 e-06 V	0,0001 V	6.35%	Pass
Channel 5	1.0000 V	1.0003 V	0.9985 V	1.0015 V	17.00 e-06 V	0,0003 V	19.3%	Pass
Channel 6	1.0000 V	1.0001 V	0.9985 V	1.0015 V	17.00 e-06 V	0,0001 V	6.34%	Pass
Channel 7	1.0000 V	1.0002 V	0.9985 V	1.0015 V	17.00 e-06 V	0,0002 V	16.3%	Pass

DEWETRON GmbH
Parkring 4
8074 Grambach
AUSTRIA

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

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Akkreditierung Austria
0632
29.01.2025

11. Testergebnisse / Test results

Test Description	True Value	Test Result	Lower limit	Upper limit	Exp Uncert	Error	% of Tol	Status
Channel 8	1.0000 V	1.0003 V	0.9985 V	1.0015 V	17.00 e-06 V	0,0003 V	20%	Pass
True Value: 5V								
Channel 1	5.0000 V	5.0001 V	4.9965 V	5.0035 V	110.00 e-06 V	0,0001 V	3.87%	Pass
Channel 2	5.0000 V	5.0000 V	4.9965 V	5.0035 V	110.00 e-06 V	0,0000 V	0.926%	Pass
Channel 3	5.0000 V	5.0000 V	4.9965 V	5.0035 V	110.00 e-06 V	0,0000 V	0.618%	Pass
Channel 4	5.0000 V	5.0000 V	4.9965 V	5.0035 V	110.00 e-06 V	0,0000 V	0.518%	Pass
Channel 5	5.0000 V	5.0003 V	4.9965 V	5.0035 V	110.00 e-06 V	0,0003 V	7.64%	Pass
Channel 6	5.0000 V	5.0001 V	4.9965 V	5.0035 V	110.00 e-06 V	0,0001 V	3.52%	Pass
Channel 7	5.0000 V	5.0005 V	4.9965 V	5.0035 V	110.00 e-06 V	0,0005 V	13.1%	Pass
Channel 8	5.0000 V	5.0002 V	4.9965 V	5.0035 V	110.00 e-06 V	0,0002 V	5.45%	Pass
True Value: 9V								
Channel 1	9.0000 V	8.9998 V	8.9945 V	9.0055 V	170.00 e-06 V	-0,0002 V	3.76%	Pass
Channel 2	9.0000 V	8.9998 V	8.9945 V	9.0055 V	170.00 e-06 V	-0,0002 V	4.02%	Pass
Channel 3	9.0000 V	8.9996 V	8.9945 V	9.0055 V	170.00 e-06 V	-0,0004 V	6.77%	Pass
Channel 4	9.0000 V	8.9997 V	8.9945 V	9.0055 V	170.00 e-06 V	-0,0003 V	6.32%	Pass
Channel 5	9.0000 V	9.0000 V	8.9945 V	9.0055 V	170.00 e-06 V	0,0000 V	0.358%	Pass
Channel 6	9.0000 V	8.9999 V	8.9945 V	9.0055 V	170.00 e-06 V	-0,0001 V	2.07%	Pass
Channel 7	9.0000 V	9.0005 V	8.9945 V	9.0055 V	170.00 e-06 V	0,0005 V	8.59%	Pass
Channel 8	9.0000 V	8.9999 V	8.9945 V	9.0055 V	170.00 e-06 V	-0,0001 V	2.27%	Pass
True Value: -9V								
Channel 1	-9.0000 V	-9.0002 V	-9.0055 V	-8.9945 V	170.00 e-06 V	-0,0002 V	2.88%	Pass
Channel 2	-9.0000 V	-9.0005 V	-9.0055 V	-8.9945 V	170.00 e-06 V	-0,0005 V	9.46%	Pass
Channel 3	-9.0000 V	-8.9999 V	-9.0055 V	-8.9945 V	170.00 e-06 V	0,0001 V	0.948%	Pass
Channel 4	-9.0000 V	-9.0002 V	-9.0055 V	-8.9945 V	170.00 e-06 V	-0,0002 V	4.49%	Pass
Channel 5	-9.0000 V	-9.0002 V	-9.0055 V	-8.9945 V	170.00 e-06 V	-0,0002 V	4.51%	Pass
Channel 6	-9.0000 V	-9.0005 V	-9.0055 V	-8.9945 V	170.00 e-06 V	-0,0005 V	8.66%	Pass
Channel 7	-9.0000 V	-9.0009 V	-9.0055 V	-8.9945 V	170.00 e-06 V	-0,0009 V	15.7%	Pass
Channel 8	-9.0000 V	-9.0000 V	-9.0055 V	-8.9945 V	170.00 e-06 V	0,0000 V	0.405%	Pass
True Value: 7V @ 20Hz								
Channel 1	7.0000 V	7.0002 V	6.9955 V	7.0045 V	4.10 e-03 V	0,0002 V	3.61%	Pass
Channel 2	7.0000 V	7.0003 V	6.9955 V	7.0045 V	4.10 e-03 V	0,0003 V	6.35%	Pass
Channel 3	7.0000 V	7.0000 V	6.9955 V	7.0045 V	4.10 e-03 V	0,0000 V	0.0989%	Pass
Channel 4	7.0000 V	7.0001 V	6.9955 V	7.0045 V	4.10 e-03 V	0,0001 V	2.75%	Pass
Channel 5	7.0000 V	7.0003 V	6.9955 V	7.0045 V	4.10 e-03 V	0,0003 V	6.22%	Pass
Channel 6	7.0000 V	7.0003 V	6.9955 V	7.0045 V	4.10 e-03 V	0,0003 V	7.12%	Pass
Channel 7	7.0000 V	7.0007 V	6.9955 V	7.0045 V	4.10 e-03 V	0,0007 V	15.8%	Pass
Channel 8	7.0000 V	7.0001 V	6.9955 V	7.0045 V	4.10 e-03 V	0,0001 V	2.56%	Pass
True Value: 7V @ 50Hz								
Channel 1	7.0000 V	7.0002 V	6.9955 V	7.0045 V	2.10 e-03 V	0,0002 V	3.48%	Pass
Channel 2	7.0000 V	7.0002 V	6.9955 V	7.0045 V	2.10 e-03 V	0,0002 V	5.09%	Pass
Channel 3	7.0000 V	7.0000 V	6.9955 V	7.0045 V	2.10 e-03 V	0,0000 V	0.0989%	Pass
Channel 4	7.0000 V	7.0001 V	6.9955 V	7.0045 V	2.10 e-03 V	0,0001 V	2.26%	Pass
Channel 5	7.0000 V	7.0003 V	6.9955 V	7.0045 V	2.10 e-03 V	0,0003 V	5.75%	Pass
Channel 6	7.0000 V	7.0003 V	6.9955 V	7.0045 V	2.10 e-03 V	0,0003 V	6.64%	Pass
Channel 7	7.0000 V	7.0007 V	6.9955 V	7.0045 V	2.10 e-03 V	0,0007 V	15.6%	Pass
Channel 8	7.0000 V	7.0001 V	6.9955 V	7.0045 V	2.10 e-03 V	0,0001 V	3%	Pass
True Value: 7V @ 1kHz								
Channel 1	7.0000 V	6.9995 V	6.9955 V	7.0045 V	2.10 e-03 V	-0,0005 V	10.1%	Pass
Channel 2	7.0000 V	6.9997 V	6.9955 V	7.0045 V	2.10 e-03 V	-0,0003 V	6.42%	Pass
Channel 3	7.0000 V	6.9994 V	6.9955 V	7.0045 V	2.10 e-03 V	-0,0006 V	13%	Pass
Channel 4	7.0000 V	6.9995 V	6.9955 V	7.0045 V	2.10 e-03 V	-0,0005 V	10.7%	Pass
Channel 5	7.0000 V	6.9997 V	6.9955 V	7.0045 V	2.10 e-03 V	-0,0003 V	7.52%	Pass
Channel 6	7.0000 V	6.9997 V	6.9955 V	7.0045 V	2.10 e-03 V	-0,0003 V	7%	Pass
Channel 7	7.0000 V	7.0001 V	6.9955 V	7.0045 V	2.10 e-03 V	0,0001 V	2.17%	Pass
Channel 8	7.0000 V	6.9995 V	6.9955 V	7.0045 V	2.10 e-03 V	-0,0005 V	10.5%	Pass

Ende des Kalibrierscheines / *End of Calibration Certificate*