



### **1. Kalibriergegenstand / Calibration object**

8 channel data acquisition system DEWETRON NEXDAQ, S/N: CE240372

### **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*: NEXDAQ\_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*: 24,3 °C

Rel. Luftfeuchte / *Rel. humidity*: 40,0 % r.H.

Kalibrierort / *Place of calibration*: DEWETRON GmbH, Parkring 4, 8074 Grambach, Austria

### **6. Auftragsnummer / 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 accredited 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 reasonable period for repeating the calibration.*



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Akkreditierung Austria 0632
29.10.2025

**10. Verwendete Normale / Standards used**

<u>Asset</u>	<u>Description</u>	<u>Serial Number</u>	<u>Certificate No.</u>	<u>Cal Date</u>	<u>Due Date</u>
5522A 01	5522A CALIBRATOR	3904901	81072025	10-Jul-2025	9-Jul-2026
Keysight 3458A 03	3458A Multimeter	MY45052880	60092025	15-Sep-2025	15-Sep-2026



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**11. Testergebnisse / Test results**

Test Description	True Value	Test Result	Lower limit	Upper limit	Exp Uncert	Error	% of Tol	Status
Current Temperature of DMM and Calibrator								
DMM:	40.2°C							
Calibrator:	26.52°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								
TRION version: 7.6.2.7554								
NEXDAQ type: NEXDAQ-1000								
NEXDAQ base version: 00100								
NEXDAQ serial number: CE240372								
NEXDAQ firmware: 54								
Digital IO Test								
Digital IO								Pass (1)
LED Check								
LED								Pass (1)
CAN Interface Test								
CAN Interface								Pass (1)
Counter Test								
Counter								Pass (1)
DC Voltage Calibration								
DC Accuracy:								
0.05% of reading +/-0.02% of Range +/-50uV								
100mV Range 1MSamples/sec								
-0.090000 V @ CH1	-0.090000 V	-0.090003 V	-0.090115 V	-0.089885 V	4.10 e-06 V	-0,000003 V	2.9%	Pass
-0.090000 V @ CH2	-0.090000 V	-0.090003 V	-0.090115 V	-0.089885 V	4.10 e-06 V	-0,000003 V	2.7%	Pass
-0.090000 V @ CH3	-0.090000 V	-0.090000 V	-0.090115 V	-0.089885 V	4.10 e-06 V	0,000000 V	0.174%	Pass
-0.090000 V @ CH4	-0.090000 V	-0.089996 V	-0.090115 V	-0.089885 V	4.10 e-06 V	0,000004 V	3.25%	Pass
-0.090000 V @ CH5	-0.090000 V	-0.090004 V	-0.090115 V	-0.089885 V	4.10 e-06 V	-0,000004 V	3.16%	Pass
-0.090000 V @ CH6	-0.090000 V	-0.089999 V	-0.090115 V	-0.089885 V	4.10 e-06 V	0,000001 V	0.696%	Pass
-0.090000 V @ CH7	-0.090000 V	-0.089997 V	-0.090115 V	-0.089885 V	4.10 e-06 V	0,000003 V	2.58%	Pass
-0.090000 V @ CH8	-0.090000 V	-0.090000 V	-0.090115 V	-0.089885 V	4.10 e-06 V	0,000000 V	0.232%	Pass
0.000000 V @ CH1	0.000000 V	-0.000001 V	-0.000070 V	0.000070 V	3.40 e-06 V	-0,000001 V	1.56%	Pass
0.000000 V @ CH2	0.000000 V	-0.000001 V	-0.000070 V	0.000070 V	3.40 e-06 V	-0,000001 V	1.82%	Pass
0.000000 V @ CH3	0.000000 V	0.000003 V	-0.000070 V	0.000070 V	3.40 e-06 V	0,000003 V	4.25%	Pass
0.000000 V @ CH4	0.000000 V	0.000002 V	-0.000070 V	0.000070 V	3.40 e-06 V	0,000002 V	2.97%	Pass
0.000000 V @ CH5	0.000000 V	-0.000001 V	-0.000070 V	0.000070 V	3.40 e-06 V	-0,000001 V	2.01%	Pass
0.000000 V @ CH6	0.000000 V	0.000002 V	-0.000070 V	0.000070 V	3.40 e-06 V	0,000002 V	2.82%	Pass
0.000000 V @ CH7	0.000000 V	-0.000000 V	-0.000070 V	0.000070 V	3.40 e-06 V	0,000000 V	0.412%	Pass
0.000000 V @ CH8	0.000000 V	0.000000 V	-0.000070 V	0.000070 V	3.40 e-06 V	0,000000 V	0.297%	Pass
0.090000 V @ CH1	0.090000 V	0.090000 V	0.089885 V	0.090115 V	4.10 e-06 V	0,000000 V	0.058%	Pass
0.090000 V @ CH2	0.090000 V	0.090000 V	0.089885 V	0.090115 V	4.10 e-06 V	0,000000 V	0.116%	Pass
0.090000 V @ CH3	0.090000 V	0.090004 V	0.089885 V	0.090115 V	4.10 e-06 V	0,000004 V	3.51%	Pass
0.090000 V @ CH4	0.090000 V	0.090004 V	0.089885 V	0.090115 V	4.10 e-06 V	0,000004 V	3.07%	Pass
0.090000 V @ CH5	0.090000 V	0.089999 V	0.089885 V	0.090115 V	4.10 e-06 V	-0,000001 V	0.435%	Pass
0.090000 V @ CH6	0.090000 V	0.090002 V	0.089885 V	0.090115 V	4.10 e-06 V	0,000002 V	1.8%	Pass
0.090000 V @ CH7	0.090000 V	0.090000 V	0.089885 V	0.090115 V	4.10 e-06 V	0,000000 V	0.406%	Pass
0.090000 V @ CH8	0.090000 V	0.090004 V	0.089885 V	0.090115 V	4.10 e-06 V	0,000004 V	3.16%	Pass
1V Range 1MSamples/sec								
-0.900000 V @ CH1	-0.900000 V	-0.900013 V	-0.900700 V	-0.899300 V	15.00 e-06 V	-0,000013 V	1.81%	Pass
-0.900000 V @ CH2	-0.900000 V	-0.900002 V	-0.900700 V	-0.899300 V	15.00 e-06 V	-0,000002 V	0.238%	Pass
-0.900000 V @ CH3	-0.900000 V	-0.900015 V	-0.900700 V	-0.899300 V	15.00 e-06 V	-0,000015 V	2.1%	Pass
-0.900000 V @ CH4	-0.900000 V	-0.900008 V	-0.900700 V	-0.899300 V	15.00 e-06 V	-0,000008 V	1.19%	Pass
-0.900000 V @ CH5	-0.900000 V	-0.900010 V	-0.900700 V	-0.899300 V	15.00 e-06 V	-0,000010 V	1.38%	Pass
-0.900000 V @ CH6	-0.900000 V	-0.900011 V	-0.900700 V	-0.899300 V	15.00 e-06 V	-0,000011 V	1.57%	Pass
-0.900000 V @ CH7	-0.900000 V	-0.900009 V	-0.900700 V	-0.899300 V	15.00 e-06 V	-0,000009 V	1.29%	Pass
-0.900000 V @ CH8	-0.900000 V	-0.899995 V	-0.900700 V	-0.899300 V	15.00 e-06 V	0,000005 V	0.667%	Pass
0.000000 V @ CH1	0.000000 V	0.000002 V	-0.000250 V	0.000250 V	3.40 e-06 V	0,000002 V	0.677%	Pass
0.000000 V @ CH2	0.000000 V	0.000003 V	-0.000250 V	0.000250 V	3.40 e-06 V	0,000003 V	1.03%	Pass
0.000000 V @ CH3	0.000000 V	0.000006 V	-0.000250 V	0.000250 V	3.40 e-06 V	0,000006 V	2.27%	Pass
0.000000 V @ CH4	0.000000 V	0.000003 V	-0.000250 V	0.000250 V	3.40 e-06 V	0,000003 V	1.24%	Pass
0.000000 V @ CH5	0.000000 V	0.000002 V	-0.000250 V	0.000250 V	3.40 e-06 V	0,000002 V	0.79%	Pass
0.000000 V @ CH6	0.000000 V	0.000000 V	-0.000250 V	0.000250 V	3.40 e-06 V	0,000000 V	0.0942%	Pass
0.000000 V @ CH7	0.000000 V	0.000003 V	-0.000250 V	0.000250 V	3.40 e-06 V	0,000003 V	1.33%	Pass
0.000000 V @ CH8	0.000000 V	0.000005 V	-0.000250 V	0.000250 V	3.40 e-06 V	0,000005 V	1.85%	Pass
0.900000 V @ CH1	0.900000 V	0.900015 V	0.899300 V	0.900700 V	15.00 e-06 V	0,000015 V	2.19%	Pass



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11. Testergebnisse / Test results

Table with 9 columns: Test Description, True Value, Test Result, Lower limit, Upper limit, Exp Uncert, Error, % of Tol, Status. It contains multiple rows of test data for various channels and ranges (3V, 10V, 30V).



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**11. Testergebnisse / Test results**

Test Description	True Value	Test Result	Lower limit	Upper limit	Exp Uncert	Error	% of Tol	Status
-28.00000 V @ CH7	-28.00000 V	-28.00040 V	-28.02005 V	-27.97995 V	480.00 e-06 V	-0,00040 V	2%	Pass
-28.00000 V @ CH8	-28.00000 V	-28.00000 V	-28.02005 V	-27.97995 V	480.00 e-06 V	0,00000 V	0%	Pass
0.00000 V @ CH1	0.00000 V	0.00009 V	-0.00605 V	0.00605 V	3.40 e-06 V	0,00009 V	1.48%	Pass
0.00000 V @ CH2	0.00000 V	0.00004 V	-0.00605 V	0.00605 V	3.40 e-06 V	0,00004 V	0.736%	Pass
0.00000 V @ CH3	0.00000 V	0.00010 V	-0.00605 V	0.00605 V	3.40 e-06 V	0,00010 V	1.66%	Pass
0.00000 V @ CH4	0.00000 V	0.00009 V	-0.00605 V	0.00605 V	3.40 e-06 V	0,00009 V	1.42%	Pass
0.00000 V @ CH5	0.00000 V	0.00007 V	-0.00605 V	0.00605 V	3.40 e-06 V	0,00007 V	1.18%	Pass
0.00000 V @ CH6	0.00000 V	-0.00001 V	-0.00605 V	0.00605 V	3.40 e-06 V	-0,00001 V	0.211%	Pass
0.00000 V @ CH7	0.00000 V	0.00010 V	-0.00605 V	0.00605 V	3.40 e-06 V	0,00010 V	1.69%	Pass
0.00000 V @ CH8	0.00000 V	0.00012 V	-0.00605 V	0.00605 V	3.40 e-06 V	0,00012 V	1.94%	Pass
28.00000 V @ CH1	28.00000 V	28.00070 V	27.97995 V	28.02005 V	480.00 e-06 V	0,00070 V	3.49%	Pass
28.00000 V @ CH2	28.00000 V	28.00047 V	27.97995 V	28.02005 V	480.00 e-06 V	0,00047 V	2.33%	Pass
28.00000 V @ CH3	28.00000 V	28.00040 V	27.97995 V	28.02005 V	480.00 e-06 V	0,00040 V	2%	Pass
28.00000 V @ CH4	28.00000 V	28.00050 V	27.97995 V	28.02005 V	480.00 e-06 V	0,00050 V	2.49%	Pass
28.00000 V @ CH5	28.00000 V	28.00040 V	27.97995 V	28.02005 V	480.00 e-06 V	0,00040 V	2%	Pass
28.00000 V @ CH6	28.00000 V	28.00023 V	27.97995 V	28.02005 V	480.00 e-06 V	0,00023 V	1.16%	Pass
28.00000 V @ CH7	28.00000 V	28.00070 V	27.97995 V	28.02005 V	480.00 e-06 V	0,00070 V	3.49%	Pass
28.00000 V @ CH8	28.00000 V	28.00060 V	27.97995 V	28.02005 V	480.00 e-06 V	0,00060 V	2.99%	Pass
100V Range 1MSamples/sec								
-90.00000 V @ CH1	-90.00000 V	-90.00143 V	-90.06505 V	-89.93495 V	2.40 e-03 V	-0,00143 V	2.2%	Pass
-90.00000 V @ CH2	-90.00000 V	-90.00117 V	-90.06505 V	-89.93495 V	2.40 e-03 V	-0,00117 V	1.79%	Pass
-90.00000 V @ CH3	-90.00000 V	-90.00167 V	-90.06505 V	-89.93495 V	2.40 e-03 V	-0,00167 V	2.56%	Pass
-90.00000 V @ CH4	-90.00000 V	-90.00147 V	-90.06505 V	-89.93495 V	2.40 e-03 V	-0,00147 V	2.25%	Pass
-90.00000 V @ CH5	-90.00000 V	-90.00120 V	-90.06505 V	-89.93495 V	2.40 e-03 V	-0,00120 V	1.84%	Pass
-90.00000 V @ CH6	-90.00000 V	-90.00130 V	-90.06505 V	-89.93495 V	2.40 e-03 V	-0,00130 V	2%	Pass
-90.00000 V @ CH7	-90.00000 V	-90.00077 V	-90.06505 V	-89.93495 V	2.40 e-03 V	-0,00077 V	1.18%	Pass
-90.00000 V @ CH8	-90.00000 V	-90.00003 V	-90.06505 V	-89.93495 V	2.40 e-03 V	-0,00003 V	0.0512%	Pass
0.00000 V @ CH1	0.00000 V	0.00024 V	-0.02005 V	0.02005 V	7.30 e-06 V	0,00024 V	1.19%	Pass
0.00000 V @ CH2	0.00000 V	0.00017 V	-0.02005 V	0.02005 V	7.30 e-06 V	0,00017 V	0.849%	Pass
0.00000 V @ CH3	0.00000 V	0.00021 V	-0.02005 V	0.02005 V	7.30 e-06 V	0,00021 V	1.04%	Pass
0.00000 V @ CH4	0.00000 V	0.00015 V	-0.02005 V	0.02005 V	7.30 e-06 V	0,00015 V	0.739%	Pass
0.00000 V @ CH5	0.00000 V	0.00012 V	-0.02005 V	0.02005 V	7.30 e-06 V	0,00012 V	0.574%	Pass
0.00000 V @ CH6	0.00000 V	-0.00007 V	-0.02005 V	0.02005 V	7.30 e-06 V	-0,00007 V	0.364%	Pass
0.00000 V @ CH7	0.00000 V	0.00032 V	-0.02005 V	0.02005 V	7.30 e-06 V	0,00032 V	1.59%	Pass
0.00000 V @ CH8	0.00000 V	0.00027 V	-0.02005 V	0.02005 V	7.30 e-06 V	0,00027 V	1.37%	Pass
90.00000 V @ CH1	90.00000 V	90.00203 V	89.93495 V	90.06505 V	2.40 e-03 V	0,00203 V	3.13%	Pass
90.00000 V @ CH2	90.00000 V	90.00187 V	89.93495 V	90.06505 V	2.40 e-03 V	0,00187 V	2.87%	Pass
90.00000 V @ CH3	90.00000 V	90.00180 V	89.93495 V	90.06505 V	2.40 e-03 V	0,00180 V	2.77%	Pass
90.00000 V @ CH4	90.00000 V	90.00163 V	89.93495 V	90.06505 V	2.40 e-03 V	0,00163 V	2.51%	Pass
90.00000 V @ CH5	90.00000 V	90.00190 V	89.93495 V	90.06505 V	2.40 e-03 V	0,00190 V	2.92%	Pass
90.00000 V @ CH6	90.00000 V	90.00123 V	89.93495 V	90.06505 V	2.40 e-03 V	0,00123 V	1.9%	Pass
90.00000 V @ CH7	90.00000 V	90.00190 V	89.93495 V	90.06505 V	2.40 e-03 V	0,00190 V	2.92%	Pass
90.00000 V @ CH8	90.00000 V	90.00177 V	89.93495 V	90.06505 V	2.40 e-03 V	0,00177 V	2.72%	Pass

AC Voltage Calibration

AC Accuracy:

for input <= 10V

DC to 1kHz : 0.05% of reading +/-0.02% of Range +/-50uV

>1kHz to 10kHz : 0.05% \* f of reading +/-0.02% of Range +/-50uV

for input >= 10V

DC to 1kHz : 0.05% of reading +/-0.02% of Range +/-50uV

>1kHz to 10kHz : 1% of reading +/-0.02% of Range +/-50uV

f: frequency in kHz

0.1V Range; Butterworth Auto 8.0.; 1MSamples/sec

Signal: 0.07V(RMS) @ 50Hz

0.070000 V @ CH1	0.070000 V	0.070004 V	0.069895 V	0.070105 V	23.00 e-06 V	0,000004 V	3.68%	Pass
0.070000 V @ CH2	0.070000 V	0.070004 V	0.069895 V	0.070105 V	23.00 e-06 V	0,000004 V	3.87%	Pass
0.070000 V @ CH3	0.070000 V	0.070004 V	0.069895 V	0.070105 V	23.00 e-06 V	0,000004 V	3.68%	Pass
0.070000 V @ CH4	0.070000 V	0.070002 V	0.069895 V	0.070105 V	23.00 e-06 V	0,000002 V	1.9%	Pass
0.070000 V @ CH5	0.070000 V	0.070004 V	0.069895 V	0.070105 V	23.00 e-06 V	0,000004 V	3.71%	Pass
0.070000 V @ CH6	0.070000 V	0.070002 V	0.069895 V	0.070105 V	23.00 e-06 V	0,000002 V	2.06%	Pass
0.070000 V @ CH7	0.070000 V	0.070001 V	0.069895 V	0.070105 V	23.00 e-06 V	0,000001 V	0.825%	Pass
0.070000 V @ CH8	0.070000 V	0.070003 V	0.069895 V	0.070105 V	23.00 e-06 V	0,000003 V	2.73%	Pass

Signal: 0.07V(RMS) @ 1kHz

0.070000 V @ CH1	0.070000 V	0.070001 V	0.069895 V	0.070105 V	23.00 e-06 V	0,000001 V	0.667%	Pass
0.070000 V @ CH2	0.070000 V	0.070001 V	0.069895 V	0.070105 V	23.00 e-06 V	0,000001 V	0.984%	Pass
0.070000 V @ CH3	0.070000 V	0.070001 V	0.069895 V	0.070105 V	23.00 e-06 V	0,000001 V	0.762%	Pass
0.070000 V @ CH4	0.070000 V	0.069999 V	0.069895 V	0.070105 V	23.00 e-06 V	-0,000001 V	0.952%	Pass
0.070000 V @ CH5	0.070000 V	0.070001 V	0.069895 V	0.070105 V	23.00 e-06 V	0,000001 V	0.825%	Pass
0.070000 V @ CH6	0.070000 V	0.069999 V	0.069895 V	0.070105 V	23.00 e-06 V	-0,000001 V	0.794%	Pass
0.070000 V @ CH7	0.070000 V	0.069998 V	0.069895 V	0.070105 V	23.00 e-06 V	-0,000002 V	1.71%	Pass
0.070000 V @ CH8	0.070000 V	0.070001 V	0.069895 V	0.070105 V	23.00 e-06 V	0,000001 V	0.508%	Pass

Signal: 0.07V(RMS) @ 10kHz

0.070000 V @ CH1	0.070000 V	0.069844 V	0.069580 V	0.070420 V	23.00 e-06 V	-0,000156 V	37.2%	Pass
0.070000 V @ CH2	0.070000 V	0.069861 V	0.069580 V	0.070420 V	23.00 e-06 V	-0,000139 V	33%	Pass
0.070000 V @ CH3	0.070000 V	0.069857 V	0.069580 V	0.070420 V	23.00 e-06 V	-0,000143 V	34.1%	Pass
0.070000 V @ CH4	0.070000 V	0.069864 V	0.069580 V	0.070420 V	23.00 e-06 V	-0,000136 V	32.5%	Pass



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**11. Testergebnisse / Test results**

Test Description	True Value	Test Result	Lower limit	Upper limit	Exp Uncert	Error	% of Tol	Status
0.070000 V @ CH5	0.070000 V	0.069851 V	0.069580 V	0.070420 V	23.00 e-06 V	-0,000149 V	35.5%	Pass
0.070000 V @ CH6	0.070000 V	0.069865 V	0.069580 V	0.070420 V	23.00 e-06 V	-0,000135 V	32.2%	Pass
0.070000 V @ CH7	0.070000 V	0.069847 V	0.069580 V	0.070420 V	23.00 e-06 V	-0,000153 V	36.4%	Pass
0.070000 V @ CH8	0.070000 V	0.069865 V	0.069580 V	0.070420 V	23.00 e-06 V	-0,000135 V	32.1%	Pass
10V Range; Butterworth Auto 8.0.; 1MSamples/sec								
Signal: 7V(RMS) @ 50Hz								
7.000000 V @ CH1	7.000000 V	7.000193 V	6.994450 V	7.005550 V	2.10 e-03 V	0,000193 V	3.48%	Pass
7.000000 V @ CH2	7.000000 V	7.000080 V	6.994450 V	7.005550 V	2.10 e-03 V	0,000080 V	1.44%	Pass
7.000000 V @ CH3	7.000000 V	7.000060 V	6.994450 V	7.005550 V	2.10 e-03 V	0,000060 V	1.08%	Pass
7.000000 V @ CH4	7.000000 V	7.000093 V	6.994450 V	7.005550 V	2.10 e-03 V	0,000093 V	1.68%	Pass
7.000000 V @ CH5	7.000000 V	7.000030 V	6.994450 V	7.005550 V	2.10 e-03 V	0,000030 V	0.541%	Pass
7.000000 V @ CH6	7.000000 V	7.000047 V	6.994450 V	7.005550 V	2.10 e-03 V	0,000047 V	0.841%	Pass
7.000000 V @ CH7	7.000000 V	7.000053 V	6.994450 V	7.005550 V	2.10 e-03 V	0,000053 V	0.961%	Pass
7.000000 V @ CH8	7.000000 V	7.000020 V	6.994450 V	7.005550 V	2.10 e-03 V	0,000020 V	0.36%	Pass
Signal: 7V(RMS) @ 1kHz								
7.000000 V @ CH1	7.000000 V	6.999783 V	6.994450 V	7.005550 V	2.10 e-03 V	-0,000217 V	3.9%	Pass
7.000000 V @ CH2	7.000000 V	6.999687 V	6.994450 V	7.005550 V	2.10 e-03 V	-0,000313 V	5.65%	Pass
7.000000 V @ CH3	7.000000 V	6.999680 V	6.994450 V	7.005550 V	2.10 e-03 V	-0,000320 V	5.77%	Pass
7.000000 V @ CH4	7.000000 V	6.999717 V	6.994450 V	7.005550 V	2.10 e-03 V	-0,000283 V	5.11%	Pass
7.000000 V @ CH5	7.000000 V	6.999640 V	6.994450 V	7.005550 V	2.10 e-03 V	-0,000360 V	6.49%	Pass
7.000000 V @ CH6	7.000000 V	6.999637 V	6.994450 V	7.005550 V	2.10 e-03 V	-0,000363 V	6.55%	Pass
7.000000 V @ CH7	7.000000 V	6.999650 V	6.994450 V	7.005550 V	2.10 e-03 V	-0,000350 V	6.31%	Pass
7.000000 V @ CH8	7.000000 V	6.999637 V	6.994450 V	7.005550 V	2.10 e-03 V	-0,000363 V	6.55%	Pass
Signal: 7V(RMS) @ 10kHz								
7.000000 V @ CH1	7.000000 V	6.995437 V	6.962950 V	7.037050 V	2.10 e-03 V	-0,004563 V	12.3%	Pass
7.000000 V @ CH2	7.000000 V	6.995323 V	6.962950 V	7.037050 V	2.10 e-03 V	-0,004677 V	12.6%	Pass
7.000000 V @ CH3	7.000000 V	6.995217 V	6.962950 V	7.037050 V	2.10 e-03 V	-0,004783 V	12.9%	Pass
7.000000 V @ CH4	7.000000 V	6.995240 V	6.962950 V	7.037050 V	2.10 e-03 V	-0,004760 V	12.8%	Pass
7.000000 V @ CH5	7.000000 V	6.995223 V	6.962950 V	7.037050 V	2.10 e-03 V	-0,004777 V	12.9%	Pass
7.000000 V @ CH6	7.000000 V	6.995037 V	6.962950 V	7.037050 V	2.10 e-03 V	-0,004963 V	13.4%	Pass
7.000000 V @ CH7	7.000000 V	6.995200 V	6.962950 V	7.037050 V	2.10 e-03 V	-0,004800 V	13%	Pass
7.000000 V @ CH8	7.000000 V	6.995120 V	6.962950 V	7.037050 V	2.10 e-03 V	-0,004880 V	13.2%	Pass
30V Range; Butterworth Auto 8.0.; 1MSamples/sec								
Signal: 21V(RMS) @ 50Hz								
21.000000 V @ CH1	21.000000 V	21.000090 V	20.98345 V	21.01655 V	4.70 e-03 V	0,00090 V	5.44%	Pass
21.000000 V @ CH2	21.000000 V	21.000070 V	20.98345 V	21.01655 V	4.70 e-03 V	0,00070 V	4.23%	Pass
21.000000 V @ CH3	21.000000 V	21.000080 V	20.98345 V	21.01655 V	4.70 e-03 V	0,00080 V	4.83%	Pass
21.000000 V @ CH4	21.000000 V	21.000070 V	20.98345 V	21.01655 V	4.70 e-03 V	0,00070 V	4.23%	Pass
21.000000 V @ CH5	21.000000 V	21.000070 V	20.98345 V	21.01655 V	4.70 e-03 V	0,00070 V	4.23%	Pass
21.000000 V @ CH6	21.000000 V	21.000060 V	20.98345 V	21.01655 V	4.70 e-03 V	0,00060 V	3.63%	Pass
21.000000 V @ CH7	21.000000 V	21.000090 V	20.98345 V	21.01655 V	4.70 e-03 V	0,00090 V	5.44%	Pass
21.000000 V @ CH8	21.000000 V	21.000060 V	20.98345 V	21.01655 V	4.70 e-03 V	0,00060 V	3.63%	Pass
Signal: 21V(RMS) @ 1kHz								
21.000000 V @ CH1	21.000000 V	20.999990 V	20.98345 V	21.01655 V	8.00 e-03 V	-0,00010 V	0.604%	Pass
21.000000 V @ CH2	21.000000 V	20.999860 V	20.98345 V	21.01655 V	8.00 e-03 V	-0,000140 V	0.66%	Pass
21.000000 V @ CH3	21.000000 V	21.000030 V	20.98345 V	21.01655 V	8.00 e-03 V	0,00030 V	1.81%	Pass
21.000000 V @ CH4	21.000000 V	21.000010 V	20.98345 V	21.01655 V	8.00 e-03 V	0,00010 V	0.604%	Pass
21.000000 V @ CH5	21.000000 V	20.999950 V	20.98345 V	21.01655 V	8.00 e-03 V	-0,000050 V	0.23%	Pass
21.000000 V @ CH6	21.000000 V	20.999923 V	20.98345 V	21.01655 V	8.00 e-03 V	-0,000077 V	0.36%	Pass
21.000000 V @ CH7	21.000000 V	20.999990 V	20.98345 V	21.01655 V	8.00 e-03 V	-0,00010 V	0.604%	Pass
21.000000 V @ CH8	21.000000 V	21.000010 V	20.98345 V	21.01655 V	8.00 e-03 V	0,00010 V	0.604%	Pass
Signal: 21V(RMS) @ 10kHz								
21.000000 V @ CH1	21.000000 V	20.97583 V	20.78395 V	21.21605 V	8.00 e-03 V	-0,02417 V	11.2%	Pass
21.000000 V @ CH2	21.000000 V	20.97737 V	20.78395 V	21.21605 V	8.00 e-03 V	-0,02263 V	10.5%	Pass
21.000000 V @ CH3	21.000000 V	20.97477 V	20.78395 V	21.21605 V	8.00 e-03 V	-0,02523 V	11.7%	Pass
21.000000 V @ CH4	21.000000 V	20.97177 V	20.78395 V	21.21605 V	8.00 e-03 V	-0,02823 V	13.1%	Pass
21.000000 V @ CH5	21.000000 V	20.97400 V	20.78395 V	21.21605 V	8.00 e-03 V	-0,02600 V	12%	Pass
21.000000 V @ CH6	21.000000 V	20.97137 V	20.78395 V	21.21605 V	8.00 e-03 V	-0,02863 V	13.3%	Pass
21.000000 V @ CH7	21.000000 V	20.97570 V	20.78395 V	21.21605 V	8.00 e-03 V	-0,02430 V	11.2%	Pass
21.000000 V @ CH8	21.000000 V	20.97330 V	20.78395 V	21.21605 V	8.00 e-03 V	-0,02670 V	12.4%	Pass
SNR Test								
0V @ 10V Range; 100kS/sec								
112.00 dB @ CH1	112.00 dB	115.35 dB	109.00 dB	213.00 dB		3,35 dB	3.32%	Pass (1)
112.00 dB @ CH2	112.00 dB	114.95 dB	109.00 dB	213.00 dB		2,95 dB	2.92%	Pass (1)
112.00 dB @ CH3	112.00 dB	114.93 dB	109.00 dB	213.00 dB		2,93 dB	2.9%	Pass (1)
112.00 dB @ CH4	112.00 dB	115.24 dB	109.00 dB	213.00 dB		3,24 dB	3.21%	Pass (1)
112.00 dB @ CH5	112.00 dB	114.72 dB	109.00 dB	213.00 dB		2,72 dB	2.7%	Pass (1)
112.00 dB @ CH6	112.00 dB	115.13 dB	109.00 dB	213.00 dB		3,13 dB	3.1%	Pass (1)
112.00 dB @ CH7	112.00 dB	114.36 dB	109.00 dB	213.00 dB		2,36 dB	2.33%	Pass (1)
112.00 dB @ CH8	112.00 dB	114.82 dB	109.00 dB	213.00 dB		2,82 dB	2.79%	Pass (1)
Short Circuit Input; 100mV Range; 1kS/sec								
105.00 dB @ CH1	105.00 dB	136.60 dB	100.00 dB	210.00 dB		31,60 dB	30.1%	Pass (1)
105.00 dB @ CH2	105.00 dB	119.12 dB	100.00 dB	210.00 dB		14,12 dB	13.4%	Pass (1)
105.00 dB @ CH3	105.00 dB	119.79 dB	100.00 dB	210.00 dB		14,79 dB	14.1%	Pass (1)
105.00 dB @ CH4	105.00 dB	118.81 dB	100.00 dB	210.00 dB		13,81 dB	13.2%	Pass (1)
105.00 dB @ CH5	105.00 dB	114.88 dB	100.00 dB	210.00 dB		9,88 dB	9.4%	Pass (1)
105.00 dB @ CH6	105.00 dB	118.12 dB	100.00 dB	210.00 dB		13,12 dB	12.5%	Pass (1)
105.00 dB @ CH7	105.00 dB	120.58 dB	100.00 dB	210.00 dB		15,58 dB	14.8%	Pass (1)
105.00 dB @ CH8	105.00 dB	120.89 dB	100.00 dB	210.00 dB		15,89 dB	15.1%	Pass (1)



**DEWETRON GmbH**  
 Parking 4  
 8074 Grambach  
 AUSTRIA

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

AAT2540652
Akkreditierung Austria 0632
29.10.2025

**11. Testergebnisse / Test results**

Test Description	True Value	Test Result	Lower limit	Upper limit	Exp Uncert	Error	% of Tol	Status
9V @ 10V Range; 100ks/sec								
112.00 dB @ CH1	112.00 dB	121.16 dB	109.00 dB	213.00 dB		9,16 dB	9.07%	Pass (1)
112.00 dB @ CH2	112.00 dB	128.38 dB	109.00 dB	213.00 dB		16,38 dB	16.2%	Pass (1)
112.00 dB @ CH3	112.00 dB	130.86 dB	109.00 dB	213.00 dB		18,86 dB	18.7%	Pass (1)
112.00 dB @ CH4	112.00 dB	135.55 dB	109.00 dB	213.00 dB		23,55 dB	23.3%	Pass (1)
112.00 dB @ CH5	112.00 dB	130.42 dB	109.00 dB	213.00 dB		18,42 dB	18.2%	Pass (1)
112.00 dB @ CH6	112.00 dB	144.54 dB	109.00 dB	213.00 dB		32,54 dB	32.2%	Pass (1)
112.00 dB @ CH7	112.00 dB	129.77 dB	109.00 dB	213.00 dB		17,77 dB	17.6%	Pass (1)
112.00 dB @ CH8	112.00 dB	122.81 dB	109.00 dB	213.00 dB		10,81 dB	10.7%	Pass (1)
Internal Reference Calibration								
0.045000 V @ Int_Ref	0.045000 V	0.044986 V	0.044907 V	0.045093 V		-0,000014 V	15%	Pass (1)
4.000000 V @ Int_Ref	4.000000 V	4.000024 V	3.995950 V	4.004050 V		0,000024 V	0.593%	Pass (1)
Low Pass Filter Test								
10kHz Filter								
Butterworth 8.0; 10V Range; test signal 3V @ 10kHz								
-3.00 dB @ CH1	-3.00 dB	-3.02 dB	-4.00 dB	-2.00 dB		-0,02 dB	1.57%	Pass (1)
-3.00 dB @ CH2	-3.00 dB	-3.02 dB	-4.00 dB	-2.00 dB		-0,02 dB	1.6%	Pass (1)
-3.00 dB @ CH3	-3.00 dB	-3.02 dB	-4.00 dB	-2.00 dB		-0,02 dB	1.6%	Pass (1)
-3.00 dB @ CH4	-3.00 dB	-3.02 dB	-4.00 dB	-2.00 dB		-0,02 dB	1.59%	Pass (1)
-3.00 dB @ CH5	-3.00 dB	-3.02 dB	-4.00 dB	-2.00 dB		-0,02 dB	1.6%	Pass (1)
-3.00 dB @ CH6	-3.00 dB	-3.02 dB	-4.00 dB	-2.00 dB		-0,02 dB	1.61%	Pass (1)
-3.00 dB @ CH7	-3.00 dB	-3.02 dB	-4.00 dB	-2.00 dB		-0,02 dB	1.6%	Pass (1)
-3.00 dB @ CH8	-3.00 dB	-3.02 dB	-4.00 dB	-2.00 dB		-0,02 dB	1.62%	Pass (1)
Analog Bandwidth Test								
30V Range								
Filter Off; test signal 3V @ 201kHz								
-3.00 dB @ CH1	-3.00 dB	-2.95 dB	-3.50 dB	-1.00 dB		0,05 dB	2.51%	Pass (1)
-3.00 dB @ CH2	-3.00 dB	-2.86 dB	-3.50 dB	-1.00 dB		0,14 dB	6.92%	Pass (1)
-3.00 dB @ CH3	-3.00 dB	-2.99 dB	-3.50 dB	-1.00 dB		0,01 dB	0.403%	Pass (1)
-3.00 dB @ CH4	-3.00 dB	-3.04 dB	-3.50 dB	-1.00 dB		-0,04 dB	7.06%	Pass (1)
-3.00 dB @ CH5	-3.00 dB	-3.00 dB	-3.50 dB	-1.00 dB		0,00 dB	0.16%	Pass (1)
-3.00 dB @ CH6	-3.00 dB	-3.06 dB	-3.50 dB	-1.00 dB		-0,06 dB	12%	Pass (1)
-3.00 dB @ CH7	-3.00 dB	-2.97 dB	-3.50 dB	-1.00 dB		0,03 dB	1.3%	Pass (1)
-3.00 dB @ CH8	-3.00 dB	-3.01 dB	-3.50 dB	-1.00 dB		-0,01 dB	1.43%	Pass (1)
10V Range								
Filter Off; test signal 3V @ 201kHz								
-3.00 dB @ CH1	-3.00 dB	-2.91 dB	-3.50 dB	-1.00 dB		0,09 dB	4.56%	Pass (1)
-3.00 dB @ CH2	-3.00 dB	-2.91 dB	-3.50 dB	-1.00 dB		0,09 dB	4.65%	Pass (1)
-3.00 dB @ CH3	-3.00 dB	-2.92 dB	-3.50 dB	-1.00 dB		0,08 dB	3.86%	Pass (1)
-3.00 dB @ CH4	-3.00 dB	-2.91 dB	-3.50 dB	-1.00 dB		0,09 dB	4.53%	Pass (1)
-3.00 dB @ CH5	-3.00 dB	-2.92 dB	-3.50 dB	-1.00 dB		0,08 dB	4%	Pass (1)
-3.00 dB @ CH6	-3.00 dB	-2.96 dB	-3.50 dB	-1.00 dB		0,04 dB	1.8%	Pass (1)
-3.00 dB @ CH7	-3.00 dB	-2.93 dB	-3.50 dB	-1.00 dB		0,07 dB	3.62%	Pass (1)
-3.00 dB @ CH8	-3.00 dB	-2.93 dB	-3.50 dB	-1.00 dB		0,07 dB	3.45%	Pass (1)
100mV Range								
Filter Off; test signal 30mV @ 101kHz								
-2.50 dB @ CH1	-2.50 dB	-2.25 dB	-3.00 dB	-1.00 dB		0,25 dB	17%	Pass (1)
-2.50 dB @ CH2	-2.50 dB	-2.08 dB	-3.00 dB	-1.00 dB		0,42 dB	28.3%	Pass (1)
-2.50 dB @ CH3	-2.50 dB	-2.13 dB	-3.00 dB	-1.00 dB		0,37 dB	24.8%	Pass (1)
-2.50 dB @ CH4	-2.50 dB	-2.02 dB	-3.00 dB	-1.00 dB		0,48 dB	31.7%	Pass (1)
-2.50 dB @ CH5	-2.50 dB	-2.18 dB	-3.00 dB	-1.00 dB		0,32 dB	21.1%	Pass (1)
-2.50 dB @ CH6	-2.50 dB	-2.01 dB	-3.00 dB	-1.00 dB		0,49 dB	32.5%	Pass (1)
-2.50 dB @ CH7	-2.50 dB	-2.20 dB	-3.00 dB	-1.00 dB		0,30 dB	20.2%	Pass (1)
-2.50 dB @ CH8	-2.50 dB	-2.02 dB	-3.00 dB	-1.00 dB		0,48 dB	32.3%	Pass (1)
Inter Channel Phase Mismatch 10V Range								
test signal 3V @ 10kHz								
0.000 _ns @ CH1	0.000 _ns	0.000 _ns	-70.000 _ns	70.000 _ns		0,000 _ns	0%	Pass (1)
0.000 _ns @ CH2	0.000 _ns	-25.038 _ns	-70.000 _ns	70.000 _ns		-25,038 _ns	35.8%	Pass (1)
0.000 _ns @ CH3	0.000 _ns	3.934 _ns	-70.000 _ns	70.000 _ns		3,934 _ns	5.62%	Pass (1)
0.000 _ns @ CH4	0.000 _ns	-28.147 _ns	-70.000 _ns	70.000 _ns		-28,147 _ns	40.2%	Pass (1)
0.000 _ns @ CH5	0.000 _ns	3.070 _ns	-70.000 _ns	70.000 _ns		3,070 _ns	4.39%	Pass (1)
0.000 _ns @ CH6	0.000 _ns	-33.958 _ns	-70.000 _ns	70.000 _ns		-33,958 _ns	48.5%	Pass (1)
0.000 _ns @ CH7	0.000 _ns	1.671 _ns	-70.000 _ns	70.000 _ns		1,671 _ns	2.39%	Pass (1)
0.000 _ns @ CH8	0.000 _ns	-26.975 _ns	-70.000 _ns	70.000 _ns		-26,975 _ns	38.5%	Pass (1)
CMRR test at 50Hz in 10V Range								
72.0 dB @ CH1	72.0 dB	84.4 dB	72.0 dB	197.0 dB		12,4 dB	9.93%	Pass (1)
72.0 dB @ CH2	72.0 dB	81.5 dB	72.0 dB	197.0 dB		9,5 dB	7.59%	Pass (1)
72.0 dB @ CH3	72.0 dB	79.5 dB	72.0 dB	197.0 dB		7,5 dB	5.97%	Pass (1)
72.0 dB @ CH4	72.0 dB	84.1 dB	72.0 dB	197.0 dB		12,1 dB	9.66%	Pass (1)
72.0 dB @ CH5	72.0 dB	79.9 dB	72.0 dB	197.0 dB		7,9 dB	6.29%	Pass (1)
72.0 dB @ CH6	72.0 dB	83.7 dB	72.0 dB	197.0 dB		11,7 dB	9.34%	Pass (1)
72.0 dB @ CH7	72.0 dB	78.6 dB	72.0 dB	197.0 dB		6,6 dB	5.31%	Pass (1)
72.0 dB @ CH8	72.0 dB	80.3 dB	72.0 dB	197.0 dB		8,3 dB	6.67%	Pass (1)
CMRR test at 1kHz in 10V Range								
72.0 dB @ CH1	72.0 dB	83.4 dB	72.0 dB	197.0 dB		11,4 dB	9.15%	Pass (1)



**DEWETRON GmbH**  
 Parking 4  
 8074 Grambach  
 AUSTRIA

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

AAT2540652
Akkreditierung Austria 0632
29.10.2025

**11. Testergebnisse / Test results**

Test Description	True Value	Test Result	Lower limit	Upper limit	Exp Uncert	Error	% of Tol	Status
72.0 dB @ CH2	72.0 dB	81.1 dB	72.0 dB	197.0 dB		9,1 dB	7.27%	Pass (1)
72.0 dB @ CH3	72.0 dB	79.1 dB	72.0 dB	197.0 dB		7,1 dB	5.67%	Pass (1)
72.0 dB @ CH4	72.0 dB	83.2 dB	72.0 dB	197.0 dB		11,2 dB	8.97%	Pass (1)
72.0 dB @ CH5	72.0 dB	79.5 dB	72.0 dB	197.0 dB		7,5 dB	6.01%	Pass (1)
72.0 dB @ CH6	72.0 dB	82.8 dB	72.0 dB	197.0 dB		10,8 dB	8.66%	Pass (1)
72.0 dB @ CH7	72.0 dB	78.3 dB	72.0 dB	197.0 dB		6,3 dB	5.05%	Pass (1)
72.0 dB @ CH8	72.0 dB	79.9 dB	72.0 dB	197.0 dB		7,9 dB	6.31%	Pass (1)

Excitation Voltage Calibration

Excitation Accuracy: 0.05% of Value +/-1mV

Excitation Voltage Monitor Accuracy: 0.05% of Value +/-3mV

CH1	1.0000 V	0.999868 V	0.998500 V	1.001500 V	11.00 e-06 V	-0,000132 V	8.83%	Pass
CH1 Monitor	1.0000 V	0.999919 V	0.996500 V	1.003500 V		-0,000081 V	2.31%	Pass (1)
CH1	5.0000 V	4.999770 V	4.996500 V	5.003500 V	46.00 e-06 V	-0,000230 V	6.56%	Pass
CH1 Monitor	5.0000 V	4.999930 V	4.994500 V	5.005500 V		-0,000070 V	1.27%	Pass (1)
CH1	10.0000 V	10.000000 V	9.994000 V	10.006000 V	87.00 e-06 V	0,000000 V	0.0762%	Pass
CH1 Monitor	10.0000 V	9.999999 V	9.992000 V	10.008000 V		-0,000001 V	0.125%	Pass (1)
CH2	1.0000 V	0.999904 V	0.998500 V	1.001500 V	11.00 e-06 V	-0,000096 V	6.4%	Pass
CH2 Monitor	1.0000 V	0.999952 V	0.996500 V	1.003500 V		-0,000048 V	1.37%	Pass (1)
CH2	5.0000 V	4.999407 V	4.996500 V	5.003500 V	46.00 e-06 V	-0,000593 V	17%	Pass
CH2 Monitor	5.0000 V	4.999550 V	4.994500 V	5.005500 V		-0,000450 V	8.18%	Pass (1)
CH2	10.0000 V	9.99984 V	9.994000 V	10.006000 V	87.00 e-06 V	-0,00016 V	2.73%	Pass
CH2 Monitor	10.0000 V	9.99999 V	9.992000 V	10.008000 V		-0,00001 V	0.125%	Pass (1)
CH3	1.0000 V	0.999932 V	0.998500 V	1.001500 V	11.00 e-06 V	-0,000068 V	4.5%	Pass
CH3 Monitor	1.0000 V	0.999987 V	0.996500 V	1.003500 V		-0,000013 V	0.371%	Pass (1)
CH3	5.0000 V	4.999865 V	4.996500 V	5.003500 V	46.00 e-06 V	-0,000135 V	3.86%	Pass
CH3 Monitor	5.0000 V	5.000010 V	4.994500 V	5.005500 V		0,000010 V	0.182%	Pass (1)
CH3	10.0000 V	10.00019 V	9.994000 V	10.006000 V	87.00 e-06 V	0,000019 V	3.23%	Pass
CH3 Monitor	10.0000 V	9.99999 V	9.992000 V	10.008000 V		-0,000001 V	0.125%	Pass (1)
CH4	1.0000 V	0.999928 V	0.998500 V	1.001500 V	11.00 e-06 V	-0,000072 V	4.82%	Pass
CH4 Monitor	1.0000 V	0.999973 V	0.996500 V	1.003500 V		-0,000027 V	0.771%	Pass (1)
CH4	5.0000 V	4.999808 V	4.996500 V	5.003500 V	46.00 e-06 V	-0,000192 V	5.5%	Pass
CH4 Monitor	5.0000 V	4.999940 V	4.994500 V	5.005500 V		-0,000060 V	1.09%	Pass (1)
CH4	10.0000 V	10.00005 V	9.994000 V	10.006000 V	87.00 e-06 V	0,000005 V	0.833%	Pass
CH4 Monitor	10.0000 V	9.99999 V	9.992000 V	10.008000 V		-0,000001 V	0.125%	Pass (1)
CH5	1.0000 V	0.999985 V	0.998500 V	1.001500 V	11.00 e-06 V	-0,000015 V	0.993%	Pass
CH5 Monitor	1.0000 V	1.000030 V	0.996500 V	1.003500 V		0,000030 V	0.857%	Pass (1)
CH5	5.0000 V	4.999510 V	4.996500 V	5.003500 V	46.00 e-06 V	-0,000490 V	14%	Pass
CH5 Monitor	5.0000 V	4.999650 V	4.994500 V	5.005500 V		-0,000350 V	6.36%	Pass (1)
CH5	10.0000 V	10.000000 V	9.994000 V	10.006000 V	87.00 e-06 V	0,000000 V	0.0109%	Pass
CH5 Monitor	10.0000 V	9.99999 V	9.992000 V	10.008000 V		-0,000001 V	0.125%	Pass (1)
CH6	1.0000 V	0.999962 V	0.998500 V	1.001500 V	11.00 e-06 V	-0,000038 V	2.51%	Pass
CH6 Monitor	1.0000 V	0.999986 V	0.996500 V	1.003500 V		-0,000014 V	0.4%	Pass (1)
CH6	5.0000 V	4.999463 V	4.996500 V	5.003500 V	46.00 e-06 V	-0,000537 V	15.3%	Pass
CH6 Monitor	5.0000 V	4.999550 V	4.994500 V	5.005500 V		-0,000450 V	8.18%	Pass (1)
CH6	10.0000 V	9.99983 V	9.994000 V	10.006000 V	87.00 e-06 V	-0,000017 V	2.82%	Pass
CH6 Monitor	10.0000 V	9.99998 V	9.992000 V	10.008000 V		-0,000002 V	0.25%	Pass (1)
CH7	1.0000 V	0.999992 V	0.998500 V	1.001500 V	11.00 e-06 V	-0,000008 V	0.521%	Pass
CH7 Monitor	1.0000 V	1.000060 V	0.996500 V	1.003500 V		0,000060 V	1.71%	Pass (1)
CH7	5.0000 V	4.999545 V	4.996500 V	5.003500 V	46.00 e-06 V	-0,000455 V	13%	Pass
CH7 Monitor	5.0000 V	4.999730 V	4.994500 V	5.005500 V		-0,000270 V	4.91%	Pass (1)
CH7	10.0000 V	10.000000 V	9.994000 V	10.006000 V	87.00 e-06 V	0,000000 V	0.0149%	Pass
CH7 Monitor	10.0000 V	9.99999 V	9.992000 V	10.008000 V		-0,000001 V	0.125%	Pass (1)
CH8	1.0000 V	0.999984 V	0.998500 V	1.001500 V	11.00 e-06 V	-0,000016 V	1.09%	Pass
CH8 Monitor	1.0000 V	1.000020 V	0.996500 V	1.003500 V		0,000020 V	0.571%	Pass (1)
CH8	5.0000 V	4.999462 V	4.996500 V	5.003500 V	46.00 e-06 V	-0,000538 V	15.4%	Pass
CH8 Monitor	5.0000 V	4.999590 V	4.994500 V	5.005500 V		-0,000410 V	7.45%	Pass (1)
CH8	10.0000 V	9.99975 V	9.994000 V	10.006000 V	87.00 e-06 V	-0,000025 V	4.22%	Pass
CH8 Monitor	10.0000 V	9.99999 V	9.992000 V	10.008000 V		-0,000001 V	0.125%	Pass (1)

Sensor Supply Calibration

Sensor Supply Accuracy: 3% of Value

CH1	2.0000 V	1.984928 V	1.940000 V	2.060000 V	21.00 e-06 V	-0,015072 V	25.1%	Pass
CH1	12.0000 V	12.00311 V	11.640000 V	12.360000 V	170.00 e-06 V	0,00311 V	0.864%	Pass
CH1	24.0000 V	23.97590 V	23.280000 V	24.720000 V	300.00 e-06 V	-0,02410 V	3.35%	Pass
CH2	2.0000 V	1.987845 V	1.940000 V	2.060000 V	21.00 e-06 V	-0,012155 V	20.3%	Pass
CH2	12.0000 V	12.01182 V	11.640000 V	12.360000 V	170.00 e-06 V	0,01182 V	3.28%	Pass
CH2	24.0000 V	23.99184 V	23.280000 V	24.720000 V	300.00 e-06 V	-0,00816 V	1.13%	Pass
CH3	2.0000 V	2.005616 V	1.940000 V	2.060000 V	21.00 e-06 V	0,005616 V	9.36%	Pass
CH3	12.0000 V	12.02657 V	11.640000 V	12.360000 V	170.00 e-06 V	0,02657 V	7.38%	Pass
CH3	24.0000 V	24.00769 V	23.280000 V	24.720000 V	300.00 e-06 V	0,00769 V	1.07%	Pass
CH4	2.0000 V	2.004511 V	1.940000 V	2.060000 V	21.00 e-06 V	0,004511 V	7.52%	Pass
CH4	12.0000 V	11.98197 V	11.640000 V	12.360000 V	170.00 e-06 V	-0,01803 V	5.01%	Pass
CH4	24.0000 V	23.98817 V	23.280000 V	24.720000 V	300.00 e-06 V	-0,01183 V	1.64%	Pass
CH5	2.0000 V	1.993367 V	1.940000 V	2.060000 V	21.00 e-06 V	-0,006633 V	11.1%	Pass
CH5	12.0000 V	12.00991 V	11.640000 V	12.360000 V	170.00 e-06 V	0,00991 V	2.75%	Pass
CH5	24.0000 V	23.98042 V	23.280000 V	24.720000 V	300.00 e-06 V	-0,01958 V	2.72%	Pass
CH6	2.0000 V	2.000151 V	1.940000 V	2.060000 V	21.00 e-06 V	0,000151 V	0.252%	Pass
CH6	12.0000 V	11.98874 V	11.640000 V	12.360000 V	170.00 e-06 V	-0,01126 V	3.13%	Pass
CH6	24.0000 V	24.01099 V	23.280000 V	24.720000 V	300.00 e-06 V	0,01099 V	1.53%	Pass



**DEWETRON GmbH**  
 Parking 4  
 8074 Grambach  
 AUSTRIA

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

AAT2540652
Akkreditierung Austria 0632
29.10.2025

**11. Testergebnisse / Test results**

<u>Test Description</u>	<u>True Value</u>	<u>Test Result</u>	<u>Lower limit</u>	<u>Upper limit</u>	<u>Exp Uncert</u>	<u>Error</u>	<u>% of Tol</u>	<u>Status</u>
CH7	2.0000 V	2.031513 V	1.940000 V	2.060000 V	21.00 e-06 V	0,031513 V	52.5%	Pass
CH7	12.000 V	11.99768 V	11.64000 V	12.36000 V	170.00 e-06 V	-0,00232 V	0.645%	Pass
CH7	24.000 V	23.99112 V	23.28000 V	24.72000 V	300.00 e-06 V	-0,00888 V	1.23%	Pass
CH8	2.0000 V	1.998825 V	1.940000 V	2.060000 V	21.00 e-06 V	-0,001175 V	1.96%	Pass
CH8	12.000 V	12.00940 V	11.64000 V	12.36000 V	170.00 e-06 V	0,00940 V	2.61%	Pass
CH8	24.000 V	23.97423 V	23.28000 V	24.72000 V	300.00 e-06 V	-0,02577 V	3.58%	Pass
Hardware Check (Selftest)								Pass (1)
Temperature	53.00 °C	53.94 °C	43.00 °C	63.00 °C		0,94 °C	9.4%	Pass (1)

Ende des Kalibrierscheines / End of Calibration Certificate

