

1. Kalibriergegenstand / Calibration object

isolated voltage amplifier DEWETRON DAQP-V-B, S/N: 276293

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*: DAQP-V-B_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 Wertintervall.

Ein Anteil für die Langzeitstabilität des Kalibriergegenstandes ist nicht enthalten.

The stated extended measurement uncertainty is derived from the standard uncertainty of measurement multiplied by the coverage factor $k=2$. It has been determined according to EA-4/02. The measured quantity is inside the corresponding value interval with a probability of approximately 95%.

A factor for the long time stability of the calibration object is not taken into account.

5. Umgebungsbedingungen / environmental conditions

Temperatur / *Temperature*: 22,5 °C

Rel. Luftfeuchte / *Rel. humidity*: 35,4 % 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.



DEWETRON GmbH
Parkring 4
8074 Grambach
AUSTRIA

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

AAT2560031
Akkreditierung Austria 0632
20.01.2025

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 02	5522A CALIBRATOR	6032901	SA01246868	9-Feb-2024	8-Feb-2025
Keysight 3458A 08	3458A Multimeter	MY59353022	E5042024	23-Apr-2024	23-Apr-2025



DEWETRON GmbH

Parking 4

8074 Grambach

AUSTRIA

Kalibrierschein nach ISO/IEC 17025

Calibration Certificate according to ISO/IEC 17025

AAT2560031

Akkreditierung

Austria

0632

20.01.2025

11. Testergebnisse / Test results

Table with 9 columns: Test Description, True Value, Test Result, Lower limit, Upper limit, Exp Uncert, Error, % of Tol, Status. Contains calibration data for various voltage ranges (Bipolar, ±10mV to ±2.5V) and their respective test results.



DEWETRON GmbH
 Parkring 4
 8074 Grambach
 AUSTRIA

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

AAT2560031
Akkreditierung Austria 0632
20.01.2025

11. Testergebnisse / Test results

Test Description	True Value	Test Result	Lower limit	Upper limit	Exp Uncert	Error	% of Tol	Status
±5V Range (0.02% ±2.5mV)								
Real and Scaled Values ±5V ±3.5mV								
Input: 0.5V	0.5000 V	0.5012 V	0.4974 V	0.5026 V	12.00 e-06 V	0,0012 V	48%	Pass
Input 2.5V	2.5000 V	2.5016 V	2.4970 V	2.5030 V	45.00 e-06 V	0,0016 V	52.6%	Pass
Input 4.5V	4.5000 V	4.5023 V	4.4966 V	4.5034 V	110.00 e-06 V	0,0023 V	66.8%	Pass
Input -4.5V	-4.5000 V	-4.4988 V	-4.5034 V	-4.4966 V	110.00 e-06 V	0,0012 V	36.4%	Pass
±10V Range (0.02% ±5mV)								
Real Val. ±5V ±3.5mV / Scaled Val. ±10V ±7mV								
Input: 1V	0.5000 V	0.5011 V	0.4974 V	0.5026 V	11.00 e-06 V	0,0011 V	42.3%	Pass
Input 5V	2.5000 V	2.5014 V	2.4970 V	2.5030 V	59.00 e-06 V	0,0014 V	47.4%	Pass
Input 9V	4.5000 V	4.5021 V	4.4966 V	4.5034 V	95.00 e-06 V	0,0021 V	60.6%	Pass
Input -9V	-4.5000 V	-4.4989 V	-4.5034 V	-4.4966 V	95.00 e-06 V	0,0011 V	33.8%	Pass
±25V Range (0.02% ±12.5mV)								
Real Val. ±5V ±3.5mV / Scaled Val. ±25V ±17.5mV								
Input: 2.5V	0.5000 V	0.5012 V	0.4974 V	0.5026 V	11.00 e-06 V	0,0012 V	47.5%	Pass
Input: -2.5V	-0.5000 V	-0.4988 V	-0.5026 V	-0.4974 V	11.00 e-06 V	0,0012 V	45.1%	Pass
Input 12.5V	2.5000 V	2.5015 V	2.4970 V	2.5030 V	52.00 e-06 V	0,0015 V	50.7%	Pass
Input -12.5V	-2.5000 V	-2.4988 V	-2.5030 V	-2.4970 V	52.00 e-06 V	0,0012 V	40.4%	Pass
Input 22.5V	4.5000 V	4.5021 V	4.4966 V	4.5034 V	88.00 e-06 V	0,0021 V	62.8%	Pass
Input -22.5V	-4.5000 V	-4.4986 V	-4.5034 V	-4.4966 V	88.00 e-06 V	0,0014 V	41.8%	Pass
±50V Range (0.02% ±25mV)								
Real Val. ±5V ±3.5mV / Scaled Val. ±50V ±35mV								
Input: 5V	0.5000 V	0.5009 V	0.4974 V	0.5026 V	13.00 e-06 V	0,0009 V	32.8%	Pass
Input 25V	2.5000 V	2.5012 V	2.4970 V	2.5030 V	50.00 e-06 V	0,0012 V	41.5%	Pass
Input 45V	4.5000 V	4.5020 V	4.4966 V	4.5034 V	140.00 e-06 V	0,0020 V	58%	Pass
Input -45V	-4.5000 V	-4.4992 V	-4.5034 V	-4.4966 V	140.00 e-06 V	0,0008 V	23.7%	Pass
Unipolar Ranges								
10mV Range (0.04% ±40µV)								
Real Val. ±5V ±22mV / Scaled Val. 0..10mV ±44µV								
Input: 1mV	-4.0000 V	-3.9909 V	-4.0404 V	-3.9596 V	1.30 e-03 V	0,0091 V	22.6%	Pass
Input: 5mV	0.0000 V	0.0095 V	-0.0420 V	0.0420 V	1.40 e-03 V	0,0095 V	22.6%	Pass
Input: 9mV	4.0000 V	4.0106 V	3.9564 V	4.0436 V	1.50 e-03 V	0,0106 V	24.2%	Pass
20mV Range (0.04% ±40µV)								
Real Val. ±5V ±12mV / Scaled Val. 0..20mV ±48µV								
Input: 2mV	-4.0000 V	-3.9949 V	-4.0204 V	-3.9796 V	650.00 e-06 V	0,0051 V	24.9%	Pass
Input: 10mV	0.0000 V	0.0058 V	-0.0220 V	0.0220 V	740.00 e-06 V	0,0058 V	26.3%	Pass
Input: 18mV	4.0000 V	4.0071 V	3.9764 V	4.0236 V	840.00 e-06 V	0,0071 V	30.3%	Pass
50mV Range (0.04% ±40µV)								
Real Val. ±5V ±6mV / Scaled Val. 0..50mV ±60µV								
Input: 5mV	-4.0000 V	-3.9975 V	-4.0084 V	-3.9916 V	280.00 e-06 V	0,0025 V	29.3%	Pass
Input: 25mV	0.0000 V	0.0034 V	-0.0100 V	0.0100 V	370.00 e-06 V	0,0034 V	34%	Pass
Input: 45mV	4.0000 V	4.0050 V	3.9884 V	4.0116 V	470.00 e-06 V	0,0050 V	42.8%	Pass
100mV Range (0.04% ±50µV)								
Real Val. ±5V ±4.5mV / Scaled Val. 0..100mV ±90µV								
Input: 10mV	-4.0000 V	-3.9979 V	-4.0054 V	-3.9946 V	150.00 e-06 V	0,0021 V	38.8%	Pass
Input: 50mV	0.0000 V	0.0027 V	-0.0070 V	0.0070 V	250.00 e-06 V	0,0027 V	38.9%	Pass
Input: 90mV	4.0000 V	4.0041 V	3.9914 V	4.0086 V	350.00 e-06 V	0,0041 V	47.3%	Pass
200mV Range (0.04% ±100µV)								
Real Val. ±5V ±4.5mV / Scaled Val. 0..200mV ±180µV								
Input: 20mV	-4.0000 V	-3.9983 V	-4.0054 V	-3.9946 V	94.00 e-06 V	0,0017 V	30.8%	Pass
Input: 100mV	0.0000 V	0.0021 V	-0.0070 V	0.0070 V	190.00 e-06 V	0,0025 V	35.4%	Pass
Input: 180mV	4.0000 V	4.0039 V	3.9914 V	4.0086 V	290.00 e-06 V	0,0039 V	45.6%	Pass
500mV Range (0.04% ±250µV)								
Real Val. ±5V ±4.5mV / Scaled Val. 0..500mV ±450µV								
Input: 50mV	-4.0000 V	-3.9988 V	-4.0054 V	-3.9946 V	62.00 e-06 V	0,0012 V	22.4%	Pass
Input: 250mV	0.0000 V	0.0018 V	-0.0070 V	0.0070 V	150.00 e-06 V	0,0018 V	25.5%	Pass
Input: 450mV	4.0000 V	4.0036 V	3.9914 V	4.0086 V	180.00 e-06 V	0,0036 V	41.8%	Pass
1V Range (0.04% ±500µV)								
Real Val. ±5V ±4.5mV / Scaled Val. 0..1V ±900µV								
Input: 100mV	-4.0000 V	-3.9988 V	-4.0054 V	-3.9946 V	53.00 e-06 V	0,0012 V	22.7%	Pass
Input: 500mV	0.0000 V	0.0021 V	-0.0070 V	0.0070 V	97.00 e-06 V	0,0021 V	29.8%	Pass
Input: 900mV	4.0000 V	4.0035 V	3.9914 V	4.0086 V	160.00 e-06 V	0,0035 V	41.2%	Pass
2.5V Range (0.04% ±1.25mV)								
Real Val. ±5V ±4.5mV / Scaled Val. 0..2.5V ±2.25mV								
Input: 0.25V	-4.0000 V	-3.9981 V	-4.0054 V	-3.9946 V	48.00 e-06 V	0,0019 V	36%	Pass
Input: 1.25V	0.0000 V	0.0031 V	-0.0070 V	0.0070 V	81.00 e-06 V	0,0031 V	44.4%	Pass
Input: 2.25V	4.0000 V	4.0047 V	3.9914 V	4.0086 V	140.00 e-06 V	0,0047 V	55.2%	Pass



DEWETRON GmbH
 Parking 4
 8074 Grambach
 AUSTRIA

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

AAT2560031
Akkreditierung Austria 0632
20.01.2025

11. Testergebnisse / Test results

Test Description	True Value	Test Result	Lower limit	Upper limit	Exp Uncert	Error	% of Tol	Status
5V Range (0.04% ±2.5mV)								
Real Values ±5V ±4.5mV / Scaled Values 0..5V ±4.5mV								
Input: 0.5V	-4.0000 V	-3.9987 V	-4.0054 V	-3.9946 V	42.00 e-06 V	0,0013 V	24.2%	Pass
Input: 2.5V	0.0000 V	0.0022 V	-0.0070 V	0.0070 V	76.00 e-06 V	0,0022 V	31.8%	Pass
Input: 4.5V	4.0000 V	4.0039 V	3.9914 V	4.0086 V	200.00 e-06 V	0,0039 V	44.8%	Pass
10V Range (0.04% ±5mV)								
Real Val. ±5V ±4.5mV / Scaled Val. 0..10V ±9mV								
Input: 1V	-4.0000 V	-3.9983 V	-4.0054 V	-3.9946 V	41.00 e-06 V	0,0017 V	31.5%	Pass
Input: 5V	0.0000 V	0.0024 V	-0.0070 V	0.0070 V	110.00 e-06 V	0,0024 V	34.7%	Pass
Input: 9V	4.0000 V	4.0038 V	3.9914 V	4.0086 V	180.00 e-06 V	0,0038 V	44.7%	Pass
25V Range (0.04% ±12.5mV)								
Real Val. ±5V ±4.5mV / Scaled Val. 0..25V ±22.5mV								
Input: 2.5V	-4.0000 V	-3.9988 V	-4.0054 V	-3.9946 V	40.00 e-06 V	0,0012 V	21.8%	Pass
Input: 12.5V	0.0000 V	0.0019 V	-0.0070 V	0.0070 V	91.00 e-06 V	0,0019 V	27%	Pass
Input: 22.5V	4.0000 V	4.0033 V	3.9914 V	4.0086 V	160.00 e-06 V	0,0033 V	38.5%	Pass
50V Range (0.04% ±25mV)								
Real Val. ±5V ±4.5mV / Scaled Val. 0..50V ±45mV								
Input: 5V	-4.0000 V	-3.9984 V	-4.0054 V	-3.9946 V	43.00 e-06 V	0,0016 V	30.5%	Pass
Input: 25V	0.0000 V	0.0026 V	-0.0070 V	0.0070 V	86.00 e-06 V	0,0026 V	37%	Pass
Input: 45V	4.0000 V	4.0042 V	3.9914 V	4.0086 V	270.00 e-06 V	0,0042 V	48.8%	Pass
AC-Calibration								
All AC-tests done with appropriate Range and Filter set to max .								
Additional Tolerances due to AC (not specified by manufacturer)								
1 .. 50 Hz 0.1% of reading & 2% of range								
50Hz .. 1kHz 0.3% of reading & 2% of range								
1kHz .. 10kHz 0.5% of reading & 2% of range								
All following AC-tests done in 10mV Range and Filter set to off (max Bandwidth 180kHz)								
Input: 1mV @ 20Hz	0.5000 V	0.4997 V	0.3794 V	0.6206 V	4.50 e-03 V	-0,0003 V	0.257%	Pass
Input: 6mV @ 20Hz	3.0000 V	2.9974 V	2.8764 V	3.1236 V	7.20 e-03 V	-0,0026 V	2.14%	Pass
Input: 6mV @ 50Hz	3.0000 V	2.9991 V	2.8764 V	3.1236 V	4.60 e-03 V	-0,0009 V	0.713%	Pass
Input: 6mV @ 1kHz	3.0000 V	2.9965 V	2.8704 V	3.1296 V	4.60 e-03 V	-0,0035 V	2.71%	Pass
All following AC-tests done in 20mV Range and Filter set to off (max Bandwidth 180kHz)								
Input: 12mV @ 20Hz	3.0000 V	2.9974 V	2.8864 V	3.1136 V	5.20 e-03 V	-0,0026 V	2.26%	Pass
Input: 12mV @ 50Hz	3.0000 V	2.9991 V	2.8864 V	3.1136 V	2.60 e-03 V	-0,0009 V	0.802%	Pass
Input: 12mV @ 1kHz	3.0000 V	2.9982 V	2.8804 V	3.1196 V	2.60 e-03 V	-0,0018 V	1.49%	Pass
All following AC-tests done in 50mV Range and Filter set to off (max Bandwidth 180kHz)								
Input: 30mV @ 20Hz	3.0000 V	2.9978 V	2.8924 V	3.1076 V	4.00 e-03 V	-0,0022 V	2.04%	Pass
Input: 30mV @ 50Hz	3.0000 V	2.9994 V	2.8924 V	3.1076 V	1.50 e-03 V	-0,0006 V	0.531%	Pass
Input: 30mV @ 1kHz	3.0000 V	2.9996 V	2.8864 V	3.1136 V	1.50 e-03 V	-0,0004 V	0.352%	Pass
All following AC-tests done in 100mV Range and Filter set to off (max Bandwidth 180kHz)								
Input: 60mV @ 20Hz	3.0000 V	2.9976 V	2.8939 V	3.1061 V	1.80 e-03 V	-0,0024 V	2.28%	Pass
Input: 60mV @ 50Hz	3.0000 V	2.9992 V	2.8939 V	3.1061 V	1.20 e-03 V	-0,0008 V	0.782%	Pass
Input: 60mV @ 1kHz	3.0000 V	2.9966 V	2.8879 V	3.1121 V	1.20 e-03 V	-0,0034 V	3.07%	Pass
All following AC-tests done in 200mV Range and Filter set to off (max Bandwidth 180kHz)								
Input: 120mV @ 20Hz	3.0000 V	2.9976 V	2.8939 V	3.1061 V	1.60 e-03 V	-0,0024 V	2.23%	Pass
Input: 120mV @ 50Hz	3.0000 V	2.9992 V	2.8939 V	3.1061 V	970.00 e-06 V	-0,0008 V	0.72%	Pass
Input: 120mV @ 1kHz	3.0000 V	2.9984 V	2.8879 V	3.1121 V	970.00 e-06 V	-0,0016 V	1.43%	Pass
All following AC-tests done in 500mV Range and Filter set to off (max Bandwidth 180kHz)								
Input: 300mV @ 20Hz	3.0000 V	2.9974 V	2.8939 V	3.1061 V	1.50 e-03 V	-0,0026 V	2.46%	Pass
Input: 300mV @ 50Hz	3.0000 V	2.9990 V	2.8939 V	3.1061 V	850.00 e-06 V	-0,0010 V	0.901%	Pass
Input: 300mV @ 1kHz	3.0000 V	2.9992 V	2.8879 V	3.1121 V	850.00 e-06 V	-0,0008 V	0.749%	Pass
All following AC-tests done in 1V Range and Filter set to off (max Bandwidth 180kHz)								



DEWETRON GmbH
 Parking 4
 8074 Grambach
 AUSTRIA

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

AAT2560031
Akkreditierung Austria 0632
20.01.2025

11. Testergebnisse / Test results

Test Description	True Value	Test Result	Lower limit	Upper limit	Exp Uncert	Error	% of Tol	Status
Input: 100mV @ 20Hz	0.5000 V	0.4999 V	0.3969 V	0.6031 V	260.00 e-06 V	-0,0001 V	0.0718%	Pass
Input: 100mV @ 50Hz	0.5000 V	0.5002 V	0.3969 V	0.6031 V	160.00 e-06 V	0,0002 V	0.183%	Pass
Input: 100mV @ 1kHz	0.5000 V	0.5003 V	0.3959 V	0.6041 V	160.00 e-06 V	0,0003 V	0.28%	Pass
Input: 300mV @ 20Hz	1.5000 V	1.4989 V	1.3957 V	1.6043 V	910.00 e-06 V	-0,0011 V	1.05%	Pass
Input: 300mV @ 50Hz	1.5000 V	1.4997 V	1.3957 V	1.6043 V	520.00 e-06 V	-0,0003 V	0.3%	Pass
Input: 300mV @ 1kHz	1.5000 V	1.5000 V	1.3927 V	1.6073 V	520.00 e-06 V	0,0000 V	0.0305%	Pass
Input: 600mV @ 20Hz	3.0000 V	2.9979 V	2.8939 V	3.1061 V	1.60 e-03 V	-0,0021 V	1.96%	Pass
Input: 600mV @ 50Hz	3.0000 V	2.9995 V	2.8939 V	3.1061 V	1.10 e-03 V	-0,0005 V	0.482%	Pass
Input: 600mV @ 1kHz	3.0000 V	3.0000 V	2.8879 V	3.1121 V	1.10 e-03 V	0,0000 V	0.00396%	Pass
All following AC-tests done in 2.5V Range and Filter set to off (max Bandwidth 180kHz)								
Input: 1.5V @ 20Hz	3.0000 V	2.9978 V	2.8939 V	3.1061 V	1.50 e-03 V	-0,0022 V	2.04%	Pass
Input: 1.5V @ 50Hz	3.0000 V	2.9995 V	2.8939 V	3.1061 V	890.00 e-06 V	-0,0005 V	0.504%	Pass
Input: 1.5V @ 1kHz	3.0000 V	2.9996 V	2.8879 V	3.1121 V	890.00 e-06 V	-0,0004 V	0.363%	Pass
All following AC-tests done in 5V Range and Filter set to off (max Bandwidth 180kHz)								
Input: 3V @ 20Hz	3.0000 V	2.9975 V	2.8939 V	3.1061 V	1.40 e-03 V	-0,0025 V	2.32%	Pass
Input: 3V @ 50Hz	3.0000 V	2.9992 V	2.8939 V	3.1061 V	840.00 e-06 V	-0,0008 V	0.784%	Pass
Input: 3V @ 1kHz	3.0000 V	2.9958 V	2.8879 V	3.1121 V	840.00 e-06 V	-0,0042 V	3.73%	Pass
All following AC-tests done in 10V Range and Filter set to off (max Bandwidth 180kHz)								
Input: 6V @ 20Hz	3.0000 V	2.9977 V	2.8939 V	3.1061 V	2.00 e-03 V	-0,0023 V	2.2%	Pass
Input: 6V @ 50Hz	3.0000 V	2.9992 V	2.8939 V	3.1061 V	1.10 e-03 V	-0,0008 V	0.731%	Pass
Input: 6V @ 1kHz	3.0000 V	2.9979 V	2.8879 V	3.1121 V	1.10 e-03 V	-0,0021 V	1.86%	Pass
Input: 6V @ 10kHz	3.0000 V	2.9894 V	2.8819 V	3.1181 V	1.20 e-03 V	-0,0106 V	8.96%	Pass
All following AC-tests done in 25V Range and Filter set to off (max Bandwidth 180kHz)								
Input: 15V @ 20Hz	3.0000 V	2.9976 V	2.8939 V	3.1061 V	1.70 e-03 V	-0,0024 V	2.27%	Pass
Input: 15V @ 50Hz	3.0000 V	2.9993 V	2.8939 V	3.1061 V	900.00 e-06 V	-0,0007 V	0.704%	Pass
Input: 15V @ 1kHz	3.0000 V	2.9991 V	2.8879 V	3.1121 V	900.00 e-06 V	-0,0009 V	0.759%	Pass
All following AC-tests done in 50V Range and Filter set to off (max Bandwidth 180kHz)								
±50V Range 30V @ 20Hz								
Input: 30V @ 20Hz	3.0000 V	2.9977 V	2.8939 V	3.1061 V	1.60 e-03 V	-0,0023 V	2.14%	Pass
Input: 30V @ 50Hz	3.0000 V	2.9994 V	2.8939 V	3.1061 V	840.00 e-06 V	-0,0006 V	0.584%	Pass
Input: 30V @ 1kHz	3.0000 V	2.9997 V	2.8879 V	3.1121 V	840.00 e-06 V	-0,0003 V	0.265%	Pass
FILTER TEST								
All tests done in 5V bipolar Range								
Filter test: 10Hz @ 10Hz								Pass (1)
Filter test: 10Hz @ 100Hz								Pass (1)
Filter test: 30Hz @ 15Hz								Pass (1)
Filter test: 30Hz @ 30Hz								Pass (1)
Filter test: 30Hz @ 300Hz								Pass (1)
Filter test: 100Hz @ 50Hz								Pass (1)
Filter test: 100Hz @ 100Hz								Pass (1)
Filter test: 100Hz @ 1kHz								Pass (1)
Filter test: 100Hz Butter. @ 1kHz								Pass (1)
Filter test: 300Hz @ 150Hz								Pass (1)
Filter test: 300Hz @ 300Hz								Pass (1)
Filter test: 300Hz @ 3kHz								Pass (1)
Filter test: 1kHz @ 500Hz								Pass (1)
Filter test: 1kHz @ 1kHz								Pass (1)
Filter test: 1kHz @ 10kHz								Pass (1)
Filter test: 1kHz Butter. @ 10kHz								Pass (1)
Filter test: 3kHz @ 1500Hz								Pass (1)
Filter test: 3kHz @ 3kHz								Pass (1)
Filter test: 3kHz @ 30kHz								Pass (1)
Filter test: 10kHz @ 5 kHz								Pass (1)
Filter test: 10kHz @ 10kHz								Pass (1)
Filter test: 10kHz @ 100kHz								Pass (1)
Filter test: 30kHz @ 30kHz								Pass (1)
Filter test: 100kHz @ 100kHz								Pass (1)
Bandwith test								Pass (1)
CMRR TEST								
CMRR test: 10mV Range @ 100Hz								Pass (1)
CMRR test: 500mV Range @ 100Hz								Pass (1)



DEWETRON GmbH
Parking 4
8074 Grambach
AUSTRIA

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

AAT2560031
Akkreditierung Austria 0632
20.01.2025

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>
CMRR test: 2.5V Range @ 100Hz								Pass (1)
CMRR test: 50V Range @ 100Hz								Pass (1)
CMRR test: 10mV Range @ 10kHz								Pass (1)
CMRR test: 500mV Range @ 10kHz								Pass (1)
CMRR test: 2.5V Range @ 10kHz								Pass (1)
CMRR test: 50V Range @ 10kHz								Pass (1)

Ende des Kalibrierscheines / End of Calibration Certificate

