

Widerstandsset zur Kalibrierung von Leitfähigkeits- Messgeräten

Resistor Set for Calibration of Conductivity Meters

6R/SET/LAB1 6R/SET/LAB2

Bedienung:

- Widerstandsstecker auf Messzellenanschluss stecken.

6R/SET/LAB2 (nicht mehr erhältlich): Für Geräte mit 7-poliger Buchse den beigelegten Adapter verwenden.

- Gerät wie folgt einstellen:
 - Zellenkonstante C gemäß Tabelle auf der folgenden Seite
 - $T_{REF} = 25,0\text{ °C}$
 - keine Temperaturkompensation bzw. lineare Temperaturkompensation mit Koeffizient = 0 %/K
- Angezeigten Wert mit dem Sollwert in der Tabelle (je nach gewähltem Messbereich) vergleichen.

Operation:

- *Connect resistor plug to socket for measuring cell.*

6R/SET/LAB2 (discontinued): For meters with 7-pole socket use the inserted adapter.

- *Set the instrument as follows:*
 - *Cell constant C according to the table on the following page*
 - *$T_{REF} = 25.0\text{ °C}$*
 - *No temperature compensation or linear temperature compensation with coefficient = 0 %/K*
- *Compare displayed value to nominal value in table (depending on selected measuring range).*



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Anzeige des Geräts nach folgender Tabelle überprüfen:

Check displayed value of meter according to the following table:

| Gerät / meter | C [cm ⁻¹] | Anzeige mit Widerstandsstecker (Aufdruck = μ S) / displayed value with resistor plug (imprint = μ S) | | | | | | Temperatur temperature |
|--------------------------------|-----------------------|--|-----------------|-----------------|---------------|------------------|-----------------|---------------------------|
| | | 1 | 10 | 100 | 1000 | 10 000 | 100 000 | |
| LF 91 | 1.000 (fest/fixed) | 1.0 \pm 0.2 | 10.0 \pm 0.3 | 100.1 \pm 0.7 | 1004 \pm 7 | 10.27 \pm 0.07 | 108.0 \pm 0.7 | 25.0 \pm 0.35 |
| LF 92 | 0.629 (fest/fixed) | 0.6 \pm 0.2 | 6.1 \pm 0.2 | 60.9 \pm 0.5 | 609 \pm 4 | 6.09 \pm 0.04 | 60.9 \pm 0.5 | 25.0 \pm 0.3 |
| LF 95 | 0.629 (fest/fixed) | 0.6 \pm 0.2 | 6.1 \pm 0.2 | 60.9 \pm 0.5 | 609 \pm 4 | 6.09 \pm 0.04 | 60.9 \pm 0.5 | 25.0 \pm 0.2 |
| LF 96 | 1.000 | 1.0 \pm 0.2 | 10.0 \pm 0.2 | 100.0 \pm 1.0 | 1000 \pm 10 | 10.00 \pm 0.10 | 100.0 \pm 1.0 | 25.0 \pm 0.3 |
| LF 191 | 1.000 | 1.0 \pm 0.2 | 10.0 \pm 0.3 | 100.0 \pm 0.7 | 1003 \pm 7 | 10.09 \pm 0.07 | 102.4 \pm 0.7 | 25.0 \pm 0.3 |
| LF 196 | 1.000 | 1.0 \pm 0.2 | 10.0 \pm 0.2 | 100.0 \pm 1.0 | 1000 \pm 10 | 10.00 \pm 0.10 | 100.0 \pm 1.0 | 25.0 \pm 0.3 |
| LF 197 | 1.000 | 1.0 \pm 0.2 | 10.0 \pm 0.2 | 100.0 \pm 0.6 | 1000 \pm 6 | 10.00 \pm 0.06 | 100.0 \pm 0.6 | 25.0 \pm 0.2 |
| Cond 197i / 1970i | 1.000 | 1.0 \pm 0.2 | 10.0 \pm 0.2 | 100.0 \pm 0.6 | 1000 \pm 6 | 10.00 \pm 0.06 | 100.0 \pm 0.6 | 25.0 \pm 0.2 |
| Multi 197i / 1970i | 0.475 (fest/fixed) | --- | 5 \pm 1 | 48 \pm 2 | 475 \pm 4 | 4.75 \pm 0.04 | 47.5 \pm 0.4 | 25.0 \pm 0.2 |
| LF 315 | 1.000 (fest/fixed) | 1.0 \pm 0.2 | 10.0 \pm 0.2 | 100.0 \pm 0.6 | 1000 \pm 6 | 9.95 \pm 0.06 | --- | --- |
| LF 318 | 0.475 (fest/fixed) | 0.5 \pm 0.2 | 4.8 \pm 0.2 | 47.5 \pm 0.4 | 475 \pm 4 | 4.75 \pm 0.04 | 47.5 \pm 0.4 | 25.0 \pm 0.2 |
| LF 320 / 323 / 325 / 330 / 340 | 1.000 | 1.0 \pm 0.2 | 10.0 \pm 0.2 | 100.0 \pm 0.6 | 1000 \pm 6 | 10.00 \pm 0.06 | 100.0 \pm 0.6 | 25.0 \pm 0.2 |
| LF 537 | 1.000 | 1.00 \pm 0.02 | 10.0 \pm 0.2 | 100.0 \pm 1.0 | 1000 \pm 10 | 10.00 \pm 0.10 | 100.0 \pm 1.0 | 25.0 \pm 0.3 |
| LF 538 | 1.000 | 1.0 \pm 0.2 | 10.0 \pm 0.2 | 100.0 \pm 0.6 | 1000 \pm 6 | 10.00 \pm 0.06 | 100.0 \pm 0.6 | 25.0 \pm 0.2 |
| LF 539 | 1.000 | 1.00 \pm 0.02 | 10.0 \pm 0.07 | 100.0 \pm 0.6 | 1000 \pm 6 | 10.00 \pm 0.06 | 100.0 \pm 0.6 | 25.0 \pm 0.3 |
| LF 597 | 1.000 | 1.0 \pm 0.2 | 10.0 \pm 0.2 | 100.0 \pm 0.6 | 1000 \pm 6 | 10.00 \pm 0.06 | 100.0 \pm 0.6 | 25.0 \pm 0.2 |
| LF 3000 | 1.000 | 1.00 \pm 0.02 | 10.0 \pm 0.07 | 100.0 \pm 0.6 | 1000 \pm 6 | 10.00 \pm 0.06 | 100.0 \pm 0.6 | 25.0 \pm 0.2 |
| MultiLine P4 / P5 | 1.000 | 1.0 \pm 0.2 | 10.0 \pm 0.2 | 100.0 \pm 0.6 | 1000 \pm 6 | 10.00 \pm 0.06 | 100.0 \pm 0.6 | 25.0 \pm 0.2 |
| MultiLab 540 | 1.000 | 1.0 \pm 0.2 | 10.0 \pm 0.2 | 100.0 \pm 0.6 | 1000 \pm 6 | 10.00 \pm 0.06 | 100.0 \pm 0.6 | 25.0 \pm 0.2 |
| MultiLine P3 pH/LF | 1.000 | 1.0 \pm 0.2 | 10.0 \pm 0.2 | 100.0 \pm 0.6 | 1000 \pm 6 | 10.00 \pm 0.06 | 100.0 \pm 0.6 | 25.0 \pm 0.2 |
| MultiLine P4 | 0.475 (fest/fixed) | --- | 5 \pm 1 | 48 \pm 2 | 475 \pm 4 | 4.75 \pm 0.04 | 47.5 \pm 0.4 | 25.0 \pm 0.2 |
| inoLab Cond Level 1 / 2 / 3 | 1.000 | 1.0 \pm 0.2 | 10.0 \pm 0.2 | 100.0 \pm 0.6 | 1000 \pm 6 | 10.00 \pm 0.06 | 100.0 \pm 0.6 | 25.0 \pm 0.2 |
| inoLab pH/Cond Level 1 / 3 | 1.000 | 1.0 \pm 0.2 | 10.0 \pm 0.2 | 100.0 \pm 0.6 | 1000 \pm 6 | 10.00 \pm 0.06 | 100.0 \pm 0.6 | 25.0 \pm 0.2 |
| inoLab Multi Level 1 / 3 | 1.000 | 1.0 \pm 0.2 | 10.0 \pm 0.2 | 100.0 \pm 0.6 | 1000 \pm 6 | 10.00 \pm 0.06 | 100.0 \pm 0.6 | 25.0 \pm 0.2 |
| Cond 315i | 0.475 (fest/fixed) | 0.5 \pm 0.2 | 4.8 \pm 0.2 | 47.5 \pm 0.4 | 475 \pm 4 | 4.75 \pm 0.04 | 47.5 \pm 0.4 | 25.0 \pm 0.2 |
| Cond 330i / 340i | 1.000 | 1.0 \pm 0.2 | 10.0 \pm 0.2 | 100.0 \pm 0.6 | 1000 \pm 6 | 10.00 \pm 0.06 | 100.0 \pm 0.6 | 25.0 \pm 0.2 |
| pH/Cond 340i | 0.475 (fest/fixed) | --- | 5 \pm 1 | 48 \pm 2 | 475 \pm 4 | 4.75 \pm 0.04 | 47.5 \pm 0.4 | 25.0 \pm 0.2 |
| Cond 3110 | 0.475 | 0.5 \pm 0.2 | 4.8 \pm 0.2 | 47.5 \pm 0.4 | 475 \pm 4 | 4.75 \pm 0.04 | 47.5 \pm 0.4 | 25.0 \pm 0.2 |
| Cond 3210 / 3310 | 1.000 | 1.0 \pm 0.2 | 10.0 \pm 0.2 | 100.0 \pm 0.6 | 1000 \pm 6 | 10.00 \pm 0.06 | 100.0 \pm 0.6 | 25.0 \pm 0.2 |
| Cond 7110 / 7310 | 1.000 | 1.0 \pm 0.2 | 10.0 \pm 0.2 | 100.0 \pm 0.6 | 1000 \pm 6 | 10.00 \pm 0.06 | 100.0 \pm 0.6 | 25.0 \pm 0.2 |
| Multi 340i | 0.475 (fest/fixed) | --- | 5 \pm 1 | 48 \pm 2 | 475 \pm 4 | 4.75 \pm 0.04 | 47.5 \pm 0.4 | 25.0 \pm 0.2 |
| Multi 350i | 1.000 | 1.0 \pm 0.2 | 10.0 \pm 0.2 | 100.0 \pm 0.6 | 1000 \pm 6 | 10.00 \pm 0.06 | 100.0 \pm 0.6 | 25.0 \pm 0.2 |
| inoLab Cond 720 / 730 / 740 | 1.000 | 1.0 \pm 0.2 | 10.0 \pm 0.2 | 100.0 \pm 0.6 | 1000 \pm 6 | 10.00 \pm 0.06 | 100.0 \pm 0.6 | 25.0 \pm 0.2 |
| inoLab pH/Cond 720 / 730 | 1.000 | 1.0 \pm 0.2 | 10.0 \pm 0.2 | 100.0 \pm 0.6 | 1000 \pm 6 | 10.00 \pm 0.06 | 100.0 \pm 0.6 | 25.0 \pm 0.2 |
| inoLab Multi 720 / 740 | 1.000 | 1.0 \pm 0.2 | 10.0 \pm 0.2 | 100.0 \pm 0.6 | 1000 \pm 6 | 10.00 \pm 0.06 | 100.0 \pm 0.6 | 25.0 \pm 0.2 |
| inoLab pH/ION/Cond 750 | 1.000 | 1.0 \pm 0.2 | 10.0 \pm 0.2 | 100.0 \pm 0.6 | 1000 \pm 6 | 10.00 \pm 0.06 | 100.0 \pm 0.6 | 25.0 \pm 0.2 |