Baumer

Passion for Sensors

# CERTIFICATE OF CALIBRATION

| | |
|---|---|
| Type no.: | AFI4-5A10.40$6.1310/9316_8179 |
| Serial no.: | U111.27.X-1375-1602 |
| Date: | 27-03-2026 15:24:15 |
| Tag: | |

| | |
|---|---|
| Cell Constant | 8,78 1/cm |
| Tolerance | ± 1.0 % FSR , 0 … 1 mS/cm to 0 … 500 mS/cm |
| | ± 1.5 % FSR , 0 … 1000 mS/cm |
| | ± 1.5 % FSR , 0 … 500 µS/cm |

After finishing the production process, this sensor has been tested to ensure the highest quality. The sensor has been tested in 13 points, the results are printed below.

**Measurements:**

| Reference Resistor [Ohm] | Norminal Conductivity [mS/cm] | Measured Conductivity [mS/cm] | Max Allowed Error [mS/cm] | Error [mS/cm] |
|---|---|---|---|---|
| 96454,66 | 0,091 | 0,091 | 0,008 | -0,0002 |
| 58702,84 | 0,150 | 0,149 | 0,008 | -0,0004 |
| 9965,04 | 0,881 | 0,883 | 0,010 | 0,0016 |
| 1499,77 | 5,854 | 5,846 | 0,100 | -0,0081 |
| 999,86 | 8,781 | 8,789 | 0,100 | 0,0074 |
| 500,17 | 17,554 | 17,563 | 0,200 | 0,0088 |
| 300,18 | 29,249 | 29,253 | 0,300 | 0,0042 |
| 180,15 | 48,738 | 48,765 | 0,500 | 0,0267 |
| 120,13 | 73,085 | 73,158 | 1,000 | 0,0734 |
| 80,17 | 109,521 | 109,414 | 2,000 | -0,1076 |
| 50,24 | 174,758 | 175,347 | 2,000 | 0,5897 |
| 16,21 | 541,639 | 544,146 | 15,000 | 2,5072 |
| 10,21 | 859,537 | 862,192 | 15,000 | 2,6554 |

Calibrated by: Baumer A/S

(Valid without signature /gültig ohne Unterschrift / valable sans signature)



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