Baumer

Passion for Sensors

CERTIFICATE OF CALIBRATION

Type no.:	AFI4-5A10.40$6.1310/9316_8179
Serial no.:	U111.27.X-1375-1601
Date:	27-03-2026 15:16:05
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]
96574,65	0,091	0,094	0,008	0,0027
58745,88	0,149	0,152	0,008	0,0025
9966,21	0,881	0,885	0,010	0,0040
1499,66	5,855	5,854	0,100	-0,0009
999,90	8,781	8,791	0,100	0,0100
500,07	17,557	17,566	0,200	0,0089
300,16	29,251	29,246	0,300	-0,0056
180,14	48,739	48,802	0,500	0,0631
120,18	73,059	73,116	1,000	0,0577
80,20	109,476	109,430	2,000	-0,0464
50,18	174,969	175,681	2,000	0,7123
16,14	543,981	545,877	15,000	1,8958
10,14	866,201	866,192	15,000	-0,0096

Calibrated by: Baumer A/S

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

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