Baumer

Passion for Sensors

CERTIFICATE OF CALIBRATION

Type no.:	AFI4-5A10.40$6.1310/9316_8179
Serial no.:	U111.27.X-1375-1613
Date:	30-03-2026 10:44:39
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]
96575,40	0,091	0,095	0,008	0,0039
58745,59	0,149	0,154	0,008	0,0042
9966,19	0,881	0,886	0,010	0,0047
1499,66	5,855	5,844	0,100	-0,0111
999,90	8,781	8,790	0,100	0,0091
500,08	17,557	17,567	0,200	0,0101
300,16	29,251	29,252	0,300	0,0011
180,15	48,736	48,777	0,500	0,0407
120,19	73,054	73,108	1,000	0,0548
80,21	109,465	109,430	2,000	-0,0358
50,19	174,940	175,465	2,000	0,5252
16,15	543,697	545,679	15,000	1,9814
10,14	865,489	865,400	15,000	-0,0892

Calibrated by: Baumer A/S

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

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