Baumer

Passion for Sensors

CERTIFICATE OF CALIBRATION

Type no.:	AFI4-5A10.40$6.1310/9316_8179
Serial no.:	U111.27.X-1375-1596
Date:	27-03-2026 09:51:28
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]
96393,90	0,091	0,095	0,008	0,0036
58674,42	0,150	0,153	0,008	0,0029
9963,29	0,881	0,882	0,010	0,0009
1499,65	5,855	5,849	0,100	-0,0053
999,96	8,780	8,787	0,100	0,0063
500,09	17,557	17,566	0,200	0,0091
300,16	29,251	29,264	0,300	0,0133
180,23	48,714	48,737	0,500	0,0224
120,22	73,036	73,088	1,000	0,0523
80,24	109,424	109,393	2,000	-0,0317
50,20	174,886	174,649	2,000	-0,2374
16,13	544,260	544,639	15,000	0,3786
10,14	865,553	866,626	15,000	1,0725

Calibrated by: Baumer A/S

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

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