Baumer

Passion for Sensors

CERTIFICATE OF CALIBRATION

Type no.:	AFI4-5A10.40$6.1310/9316_8179
Serial no.:	U111.27.X-1375-1604
Date:	27-03-2026 15:40:46
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]
95146,11	0,092	0,094	0,008	0,0012
58214,83	0,151	0,154	0,008	0,0028
9950,50	0,882	0,885	0,010	0,0028
1499,19	5,856	5,855	0,100	-0,0018
999,79	8,782	8,783	0,100	0,0015
500,02	17,559	17,569	0,200	0,0099
300,11	29,256	29,250	0,300	-0,0064
180,19	48,726	48,767	0,500	0,0416
120,10	73,105	73,171	1,000	0,0660
80,15	109,543	109,490	2,000	-0,0533
50,19	174,938	175,116	2,000	0,1780
16,13	544,257	546,786	15,000	2,5290
10,14	865,506	866,132	15,000	0,6264

Calibrated by: Baumer A/S

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

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