Baumer

Passion for Sensors

CERTIFICATE OF CALIBRATION

Type no.:	AFI4-5A10.40$6.1310/9316_8179
Serial no.:	U111.27.X-1375-1597
Date:	30-03-2026 11:07:30
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]
95146,10	0,092	0,094	0,008	0,0019
58214,83	0,151	0,151	0,008	0,0005
9950,50	0,882	0,883	0,010	0,0005
1499,19	5,856	5,857	0,100	0,0001
999,79	8,782	8,786	0,100	0,0037
500,02	17,559	17,570	0,200	0,0103
300,11	29,256	29,262	0,300	0,0060
180,19	48,726	48,752	0,500	0,0258
120,10	73,106	73,172	1,000	0,0662
80,15	109,546	109,467	2,000	-0,0793
50,19	174,945	175,141	2,000	0,1960
16,13	544,320	545,395	15,000	1,0743
10,14	865,667	866,367	15,000	0,7005

Calibrated by: Baumer A/S

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

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