Baumer

Passion for Sensors

CERTIFICATE OF CALIBRATION

Type no.:	AFI4-5A10.40$6.1310/9316_8179
Serial no.:	U111.27.X-1375-1608
Date:	30-03-2026 08:54:46
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	0,093	0,008	0,0010
58214,83	0,151	0,152	0,008	0,0009
9950,50	0,882	0,882	0,010	0,0000
1499,20	5,856	5,852	0,100	-0,0041
999,79	8,782	8,783	0,100	0,0007
500,02	17,559	17,570	0,200	0,0108
300,11	29,256	29,255	0,300	-0,0012
180,19	48,725	48,749	0,500	0,0236
120,10	73,104	73,165	1,000	0,0609
80,15	109,541	109,507	2,000	-0,0339
50,19	174,932	175,319	2,000	0,3866
16,13	544,201	545,865	15,000	1,6639
10,15	865,366	865,512	15,000	0,1457

Calibrated by: Baumer A/S

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

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