Baumer

Passion for Sensors

CERTIFICATE OF CALIBRATION

Type no.:	AFI4-5A10.40$6.1310/9316_8179
Serial no.:	U111.27.X-1375-1603
Date:	27-03-2026 15:32:28
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]
96393,89	0,091	0,094	0,008	0,0030
58674,41	0,150	0,153	0,008	0,0032
9963,28	0,881	0,883	0,010	0,0021
1499,64	5,855	5,853	0,100	-0,0015
999,95	8,780	8,784	0,100	0,0035
500,08	17,557	17,566	0,200	0,0091
300,16	29,252	29,254	0,300	0,0025
180,23	48,717	48,749	0,500	0,0318
120,21	73,041	73,106	1,000	0,0654
80,23	109,436	109,398	2,000	-0,0382
50,20	174,917	174,986	2,000	0,0689
16,12	544,560	545,122	15,000	0,5615
10,13	866,312	868,329	15,000	2,0169

Calibrated by: Baumer A/S

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

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