Baumer

Passion for Sensors

CERTIFICATE OF CALIBRATION

Type no.:	AFI4-5A10.40$6.1310/9316_8179
Serial no.:	U111.27.X-1375-1598
Date:	27-03-2026 13:02:36
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]
96454,66	0,091	0,092	0,008	0,0008
58702,85	0,150	0,151	0,008	0,0012
9965,05	0,881	0,883	0,010	0,0017
1499,78	5,854	5,847	0,100	-0,0070
999,87	8,781	8,782	0,100	0,0003
500,18	17,554	17,565	0,200	0,0110
300,19	29,249	29,238	0,300	-0,0102
180,15	48,736	48,753	0,500	0,0169
120,14	73,081	73,134	1,000	0,0534
80,17	109,513	109,476	2,000	-0,0369
50,25	174,735	174,958	2,000	0,2227
16,22	541,424	541,966	15,000	0,5412
10,22	858,997	860,240	15,000	1,2431

Calibrated by: Baumer A/S

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

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