Baumer

Passion for Sensors

CERTIFICATE OF CALIBRATION

Type no.:	AFI4-5A10.40$6.1310/9316_8179
Serial no.:	U111.27.X-1375-1611
Date:	30-03-2026 10:16:44
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]
96516,95	0,091	0,093	0,008	0,0017
58727,76	0,150	0,151	0,008	0,0013
9965,47	0,881	0,884	0,010	0,0027
1499,68	5,855	5,847	0,100	-0,0081
999,85	8,781	8,778	0,100	-0,0031
500,12	17,556	17,563	0,200	0,0071
300,09	29,258	29,261	0,300	0,0028
180,20	48,724	48,737	0,500	0,0138
120,10	73,107	73,180	1,000	0,0727
80,12	109,588	109,545	2,000	-0,0429
50,12	175,170	175,363	2,000	0,1935
16,21	541,542	541,243	15,000	-0,2995
10,08	870,975	873,941	15,000	2,9667

Calibrated by: Baumer A/S

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

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