Baumer

Passion for Sensors

CERTIFICATE OF CALIBRATION

Type no.:	AFI4-5A10.40$6.1310/9316_8179
Serial no.:	U111.27.X-1375-1605
Date:	30-03-2026 08:29:57
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]
96575,40	0,091	0,092	0,008	0,0010
58745,59	0,149	0,150	0,008	0,0010
9966,18	0,881	0,882	0,010	0,0012
1499,66	5,855	5,849	0,100	-0,0061
999,90	8,781	8,784	0,100	0,0032
500,08	17,557	17,567	0,200	0,0095
300,16	29,251	29,266	0,300	0,0146
180,15	48,738	48,761	0,500	0,0230
120,18	73,056	73,111	1,000	0,0544
80,20	109,471	109,441	2,000	-0,0295
50,18	174,954	175,402	2,000	0,4471
16,14	543,835	544,908	15,000	1,0737
10,14	865,838	866,531	15,000	0,6927

Calibrated by: Baumer A/S

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

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