Baumer

Passion for Sensors

CERTIFICATE OF CALIBRATION

Type no.:	AFI4-5A10.40$6.1310/9316_8179
Serial no.:	U111.27.X-1375-1609
Date:	30-03-2026 10:00:08
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]
96575,41	0,091	0,095	0,008	0,0045
58745,60	0,149	0,153	0,008	0,0033
9966,19	0,881	0,885	0,010	0,0042
1499,67	5,855	5,849	0,100	-0,0059
999,91	8,781	8,780	0,100	-0,0012
500,09	17,557	17,564	0,200	0,0071
300,17	29,250	29,257	0,300	0,0072
180,16	48,734	48,758	0,500	0,0236
120,19	73,049	73,107	1,000	0,0581
80,22	109,454	109,430	2,000	-0,0237
50,20	174,911	175,380	2,000	0,4693
16,16	543,413	543,990	15,000	0,5769
10,15	864,770	866,924	15,000	2,1547

Calibrated by: Baumer A/S

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

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