Baumer

Passion for Sensors

CERTIFICATE OF CALIBRATION

Type no.:	AFI4-5A10.40$6.1310/9316_8179
Serial no.:	U111.27.X-1375-1612
Date:	30-03-2026 10:35:23
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	0,093	0,008	0,0019
58674,41	0,150	0,150	0,008	0,0008
9963,27	0,881	0,881	0,010	0,0001
1499,64	5,855	5,842	0,100	-0,0125
999,95	8,780	8,784	0,100	0,0040
500,08	17,557	17,564	0,200	0,0067
300,15	29,252	29,254	0,300	0,0015
180,22	48,718	48,750	0,500	0,0317
120,20	73,045	73,113	1,000	0,0678
80,22	109,445	109,385	2,000	-0,0601
50,19	174,940	175,270	2,000	0,3304
16,12	544,778	545,100	15,000	0,3216
10,13	866,863	868,870	15,000	2,0069

Calibrated by: Baumer A/S

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

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