Baumer

Passion for Sensors

CERTIFICATE OF CALIBRATION

Type no.:	AFI4-5A10.40$6.1310/9316_8179
Serial no.:	U111.27.X-1375-1599
Date:	27-03-2026 13:10:52
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]
96393,90	0,091	0,093	0,008	0,0021
58674,42	0,150	0,152	0,008	0,0027
9963,28	0,881	0,883	0,010	0,0020
1499,65	5,855	5,856	0,100	0,0017
999,96	8,780	8,782	0,100	0,0019
500,08	17,557	17,568	0,200	0,0110
300,16	29,251	29,260	0,300	0,0084
180,23	48,716	48,742	0,500	0,0261
120,21	73,039	73,095	1,000	0,0562
80,23	109,432	109,369	2,000	-0,0633
50,20	174,907	173,829	2,000	-1,0774
16,13	544,457	543,306	15,000	-1,1512
10,14	866,052	866,397	15,000	0,3456

Calibrated by: Baumer A/S

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

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