Baumer

Passion for Sensors

CERTIFICATE OF CALIBRATION

Inductive Conductivity Transmitter - Conductivity

Customer:	ECOLAB Engineering GmbH Raiffeisenstraße 7 83313 Siegsdorf, Deutschland
Type no:	AFI4-5D30.40$6.1113/9316_8179_Q003
Material no:	11272747
Baumer order no:	2530402-10
Customer order no:	4500533878
Serial no:	U342.27.X-1457-4447
Range:	0,5 mS - 100 mS

Test equipment:

Yokogawa SC450G-A-A/Q/UM	no: 92NA03280
Yokogawa SC42-EP08/Q	no: N1D501386
Yokogawa SC42-SP34	no: N1D200437
Keithly 2000	no: 63307

This certificate provides traceability of measurement to recognized national/international standards.

Conductivity:

The accuracy specified in the datasheet of AFIx:

- 0 - 1 mS/cm 1%
- 0 - 2 mS/cm 1%
- 0 - 10 mS/cm 1%
- 0 - 50 mS/cm 1%
- 0 - 200 mS/cm 1%

Measurements:

Conductivity	Range[1)]	True conductivity[2)]	Measured conductivity (display)	Measured current[2)3)] (Current output)	Deviation conductivity (Display)	Deviation current (Current output)		Accuracy Display	Accuracy current output
[mS/cm]	[mS/cm]	[mS/cm]	[mS/cm]	[mA]	[mS/cm]	mA	[mS/cm]	%	%
0,5	0 - 1	0,481	0,484	11,77891	0,003	0,087	0,005	0,33	0,55
1	0 - 2	1,071	1,082	12,66506	0,011	0,101	0,013	0,57	0,63
5	0 - 10	5,024	5,04	12,02059	0,016	-0,018	-0,011	0,16	-0,11
25	0 - 50	25,109	25,21	12,08062	0,101	0,046	0,142	0,20	0,28
100	0 - 200	104,575	105	12,39621	0,425	0,030	0,378	0,21	0,19

1) Selected measuring range on AFIx.
2) Calibration performed without temperature compensation.
3) Measured on the output current with a 100 Ohm as load in series with the Ampere meter.

Date: 20-08-2026 Calibrated by: Le Huynh Huu T_{amb}: 23°C

(Valid without signature / gültig ohne Unterschrift)

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