Baumer

Passion for Sensors

CERTIFICATE OF CALIBRATION

Inductive Conductivity Transmitter - Conductivity

Customer: ECOLAB Engineering GmbH
Raiffeisenstraße 7
83313 Siegsdorf, Deutschland

Type no: AFI5-AD32.40$6.1313/9316_8179_Q003
Material no: 11271178
Baumer order no: 2549712-10
Customer order no: 4500536401
Serial no: U411.27.X-1598-8447, Sensor no: 4034

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	0,475	0,473	11,54659	-0,002	-0,049	-0,003	-0,17	-0,31
1	0 - 2	1,077	1,078	12,63128	0,001	0,011	0,001	0,03	0,07
5	0 - 10	5,193	5,19	12,29032	-0,003	-0,019	-0,012	-0,03	-0,12
25	0 - 50	25,728	25,77	12,24139	0,042	0,008	0,026	0,08	0,05
100	0 - 200	105,273	105,7	12,45731	0,427	0,035	0,444	0,21	0,22

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: 07-10-2026 Calibrated by: Le Huynh Huu T_{amb}: 23°C

(Valid without signature / gültig ohne Unterschrift)

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