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-1598-8448, Sensor no: 4035

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	0,476	0,479	11,65365	0,003	0,042	0,003	0,33	0,26
1	0 - 2	1,078	1,075	12,58624	-0,003	-0,042	-0,005	-0,17	-0,26
5	0 - 10	5,203	5,2	12,31179	-0,003	-0,013	-0,008	-0,03	-0,08
25	0 - 50	25,758	25,87	12,27464	0,112	0,032	0,100	0,22	0,20
100	0 - 200	105,273	105,9	12,46230	0,627	0,040	0,506	0,31	0,25

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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