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-1598-8449, Sensor no: 4036

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	0,477	0,481	11,67692	0,004	0,049	0,003	0,43	0,31
1	0 - 2	1,079	1,088	12,68890	0,009	0,053	0,007	0,43	0,33
5	0 - 10	5,213	5,2	12,31869	-0,013	-0,022	-0,014	-0,13	-0,14
25	0 - 50	25,798	25,83	12,25866	0,032	0,003	0,011	0,06	0,02
100	0 - 200	105,372	105,7	12,44223	0,328	0,012	0,155	0,16	0,08

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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