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: 2536896-10
Customer order no: 4500534807
Serial no: U351.27.X-1581-7097

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	0,477	11,61921	0,000	-0,008	-0,001	0,03	-0,05
1	0 - 2	1,084	1,09	12,71500	0,006	0,039	0,005	0,28	0,25
5	0 - 10	5,173	5,15	12,25040	-0,023	-0,027	-0,017	-0,23	-0,17
25	0 - 50	25,169	25,14	12,05125	-0,029	-0,003	-0,009	-0,06	-0,02
100	0 - 200	102,879	103,5	12,18578	0,621	-0,045	-0,557	0,31	-0,28

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: 27-08-2026 Calibrated by: Le Huynh Huu T_{amb}: 23°C

(Valid without signature / gültig ohne Unterschrift)

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