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$6.1113/9316_8179_Q003
Material no: 11272745
Baumer order no: 2534547-10
Customer order no: 4500534472
Serial no: U354.27.X-1580-1022, Sensor no: 4005

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	0,474	11,60042	-0,003	-0,027	-0,002	-0,27	-0,17
1	0 - 2	1,070	1,075	12,59942	0,005	0,043	0,005	0,27	0,27
5	0 - 10	5,074	5,09	12,14691	0,016	0,029	0,018	0,16	0,18
25	0 - 50	25,229	25,34	12,11635	0,111	0,043	0,134	0,22	0,27
100	0 - 200	100,884	101,9	12,15240	1,016	0,082	1,021	0,51	0,51

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: 02-09-2026 Calibrated by: Le Huynh Huu T_{amb}: 23°C

(Valid without signature / gültig ohne Unterschrift)

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