Baumer

Passion for Sensors

CERTIFICATE OF CALIBRATION

Inductive Conductivity Transmitter - Conductivity

Customer:	ECOLAB Engineering GmbH Raiffeisenstraße 7 83313 Siegsdorf, Deutschland
Type no:	AFI5-AD33.40$6.1113/9316_8179_Q003
Material no:	11272746
Baumer order no:	2523714-10
Customer order no:	4500532902
Serial no:	U325.27.X-1456-3709, 1417/2
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	0,464	0,462	11,39729	-0,002	-0,022	-0,001	-0,17	-0,14
1	0 - 2	1,074	1,081	12,62968	0,007	0,042	0,005	0,37	0,26
5	0 - 10	5,094	5,1	12,17347	0,006	0,024	0,015	0,06	0,15
25	0 - 50	25,349	25,44	12,14651	0,091	0,035	0,109	0,18	0,22
100	0 - 200	104,375	104,6	12,38899	0,225	0,039	0,487	0,11	0,24

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: 10-08-2026 Calibrated by: Le Huynh Huu T_{amb}: 23°C

(Valid without signature / gültig ohne Unterschrift)

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