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-1598-8451, Sensor no: 4038

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	0,478	0,482	11,70049	0,004	0,057	0,004	0,43	0,36
1	0 - 2	1,083	1,09	12,72586	0,007	0,058	0,007	0,33	0,36
5	0 - 10	5,233	5,23	12,36692	-0,003	-0,006	-0,004	-0,03	-0,04
25	0 - 50	25,887	25,96	12,31070	0,073	0,027	0,083	0,15	0,17
100	0 - 200	105,372	105,7	12,46589	0,328	0,036	0,451	0,16	0,23

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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