Conductivity Transmitter incl. Measuring Cell GLMU

- **On-site display for conductivity and temperature**
- **Output signals freely scalable**
- **Type of temperature compensation selectable**

Characteristics

The GLMU is suited for drinking water and waterbodies monitoring, for applications in fish farming and aquaristics, for measurements in polluted solutions and waste waters as well as for neutralization control.

The 4-pole measuring cell of the GLMU-400-MP is applicable for higher salt concentration, because its particularly insensitive to dirt.

The GLMU has an on-site display for conductivity and temperature. The output signal is freely scalable and the temperature compensation type can be selected.

Design types

GLMU-200-MP	GLMU-400-MP
2-pole conductivity measuring cell compact, basic measuring cell	4-pole conductivity measuring cell high-quality, measuring cell, insensitive to dirt

Technical data

	GLMU-200-MP	GLMU-400-MP
Measuring range	(decimal point and resolution can be selected by customer; min. and max. possible measuring ranges are stated)	
Conductivity	0.0..200.0 µS/cm 0.0..200.0 mS/cm	0.0..200.0 µS/cm 0..500 mS/cm
Specific resistance	5.0..100.0 kOhm*cm 50..1000 Ohm*cm	0.0..200.0 kOhm*cm 1..5000 Ohm*cm
TDS	0.0..200.0 mg/l 0..2000 mg/l	0.0..200.0 mg/l 0..200 g/l
Salintiy	0.0..70.0	0.0..70.0
Temperature	-5.0..+140.0 °C (device) 0.0..80.0 °C (measuring cell)	

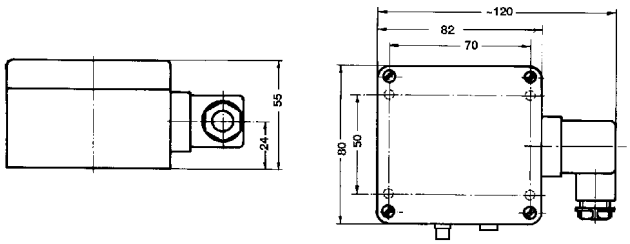
Measuring cell : conductivity measuring cell with graphite electrodes and integrated temperature sensor; cell constant is measured and preset ex works; measuring cell in breakage-protected plastic pole, heat resistant up to 80 °C, Ø 12 mm, shaft length 120 mm, 1m connection cable

Accuracy
- Conductivity : ±0.5 % of m.v. ±0.3 % FS
- Temperature : ±0.2 °C ±1 digit

Meas. cell connection : 7-pole diode connector
Cell constant : K = 0.30..1.20 freely adjustable
Temperature compensation
- off : no compensation
- Lin : linear compensation(from 0.3..3.0 %/K)
- nLF : non-linear compensation for natural water acc. to EN27888 (DIN 38404)

Output signal : 4..20 mA (2-wire)
0..1 V or 0..10 V (3-wire)
Power supply : 12..30 V DC for 4..20 mA
18..30 V DC for 0..10 V
Permissible burden : $R_A [\Omega] = (U_V [V] - 12V) / 0.02 A$
Permissible load : $R_L > 3000 \Omega$
Display : 10 mm high, 4-digit LCD display
Electric connection : elbow-type plug (EN 175301-803/A)
Housing : ABS
Protection class : IP65 (with the exception of electrode socket)

Dimensions



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Ordering code

GLMU - 1. - MP - 2. - 3.

1.	**Measuring cell**	
	200	2-pole measuring cell
	400	4-pole measuring cell
2.	**Output signal**	
	A1	4..20 mA
	V1	0..1 V
	V2	0..10 V
3.	**Options**	
	00	without option
	LTG	conductivity measuring cell for organic media (alcohol, benzine, diesel) up to max 1000 µS/cm with glass shaft, unplatinized, 1.35 m PUR cable
	PG	measuring cell with thread PG13.5 for pressure applications (up to max. 6 bar)

Ordering example:
GLMU-200-MP-A1-00

Accessories / Spare parts

LFE 202

2-pole spare measuring cell (for GLMU-200-MP)

LFE 200

4-pole spare measuring cell (for GLMU-400-MP)

PG13.5

Plug-on thread adapter for pressureless use