Produktinformation

Conductivity Meter LF1010

Characteristics

The Conductivity-Meter LF1010 has been designed for the measurement of conductivity, as a degree of the purity or concentration of a liquid. In connection with 4-electrode-conductivity cells a high accuracy and insensitivity of contamination can be achieved. A further advantage is a broad range of application with only one cell. Only for measurement in ultra-pure water a special 2-electrode conductivity cell must be used.

Technical data

Power supply

Supply voltage	: 230 V AC ±10 %; 115 V AC ±10 %; 24 V AC ±10 % or 24 V DC ±15 %
Power consumption	: max. 3.5 VA
Operating temp.	: -20..+55 °C
CE-conformity	: EN 61326-1:2013 EN 60664-1:2007

Inputs

MR conductivity	: 0..2.000(0) µS/cm up to 0..2000 / 200(0) mS/cm (at 25 °C)
-Cell constant	: 0.080..9.999
-Accuracy	: 0.5 % of the measuring value, ±2 Digit
-Temperature comp.	: non linear for ultra pure water and natural water or linear programmable from 0.000..9.999 %/K
MR temperature	: -50.0..200.0 °C; Sensor Pt100 or Pt1000
-Accuracy	: ±0.2 °C
Display	: LED red, 14.2 mm
Indicating range	: 2000(0) Digit with leading zero suppression
Parameter display	: LED 2-digit red, 7 mm (Parameter - and output indicator)

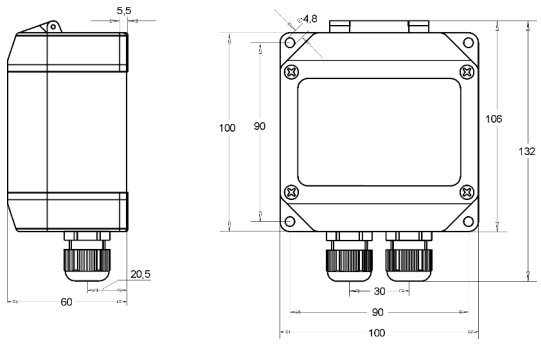
Outputs

Relay	: SPDT < 250 V AC < 250 VA < 2 A, < 300 V DC < 50 W < 2 A
Field case	: Material PA6-GF15/15, keypad polyester
Dimensions	: 100x100x60 mm
Weight	: max. 450 g
Connection	: clamp terminals

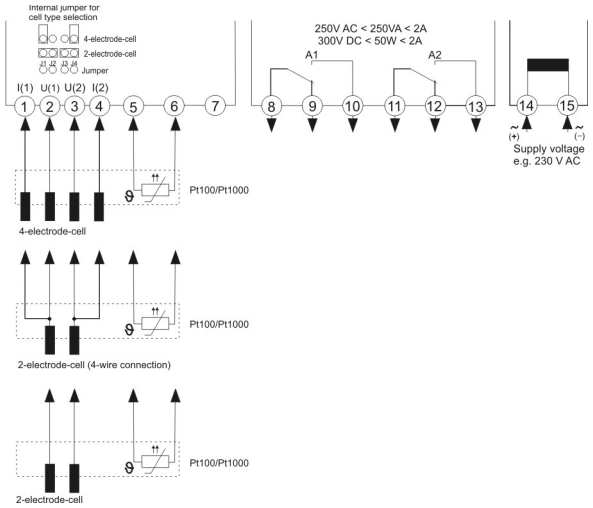
	single wire	*flexi wire*
Terminals 1-4	0.75 mm², AWG18	0.5 mm², AWG 20
Terminals 5-15	2.5 mm², AWG13	1.5 mm², AWG 15

Protection class : IP65, terminals IP20 acc. to BGV A3

Dimensions



Connection diagram



Ordering code

LF1010 - 1. - 2. - 3. - 4. - 5. - 6.

1.	**Input**		
	1	input for 2- or 4-electrode-cells, temperature compensation via Pt100	
	3	as 1, but temperature compensation via Pt1000	
2.	**Alarm output**		
	00	not installed	
	2R	2 relay	
3.	**Supply voltage**		
	0	230 V AC	±10 % 50-60Hz
	1	115 V AC	±10 % 50-60Hz
	4	24 V AC	±10 % 50-60Hz
	5	24 V DC	±15 %
4.	**Options**		
	00	without option	
	01	min- and max-peak hold	
	09	1xM20x1.5 Multi (2xØ6 mm), 1xM20x1.5	
	14	measuring and monitoring of ultra-pure water acc. to USP<645>	
5.	**Unit** appears on the unit field		
6.	**Additional text** above the display (3x70 mm HxW)		