ITP15

LED Bar Graph Display

The ITP15 Bar Graph Display is a compact process indicator that is intended to visualize an analog input signal in the range from 0 to 100% with 10 bars 10% each. The input signal can be either a linear voltage signal of 0(2)-10 V or current signal of 0(4)-20 mA.

Dut to cylindrical form of the mounting part of the enclosure, the device can be positioned either vertically or horizontally without changing the mounting cutout. The ITP15 fits into a standard cutout of Ø22.5 mm. The cutouts of the same diameter are commonly used for mounting standard signal lamps or push buttons at control cabinets or panels.

Besides indication, a simple on-off control can be implemented with the NPN transistor output of the ITP15. This output can control a load of up to 200 mA, 42 VDC.

Functions and features:

- Measuring and displaying the process value as bar graph
- Display range 0...100%
- 10 two-color bars (green/red) 10% each
- Configurable analog input (0-5 mA, 0(4)-20 mA, 0(2)-10 V)
- ON/OFF control with an NPN-transistor output
- 2 modes of blinking (fast/slow)
- Alarm settings

- RED / GREEN — 10 two-color bars
- AI mA,V — 1 Analog input for mA and V signals
- DO NPN — 1 Digital output with NPN type
- 24V DC — Powered by 24 V DC
- ON / OFF — Alarm function
- Easy mounting in Ø 22.5 mm borehole
- Save time for installation
- Compact size
- Can be installed in a push-button box
- IP65 — IP Code
- +60°C / -40°C — Ambient temperature

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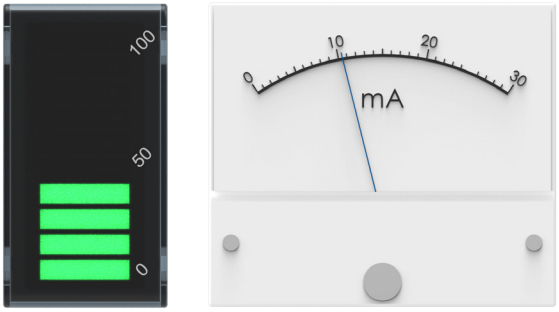
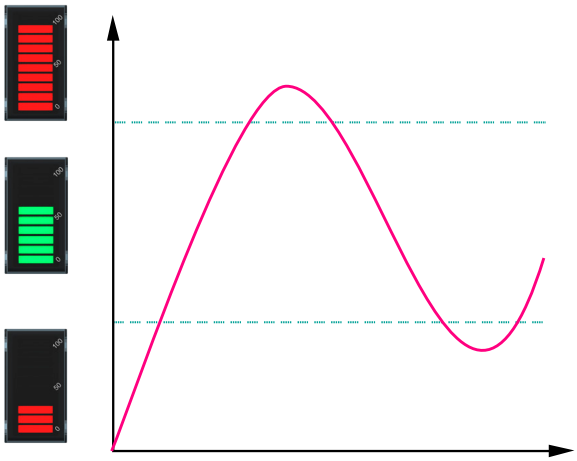
Technical Data:

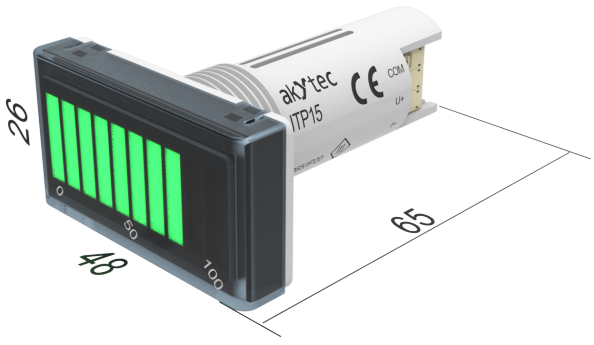
Power supply		24 (10…30) V DC
Power consumption, max.		1 W
Inputs		1
Input signal		0-5 mA, 0(4)-20 mA, 0(2)-10 V
	Sampling time	0.3 s
	Input resistance	0-5 mA, 0(4)-20 mA ≤ 120 ohm / 0(2)-10 V ≥ 250 kohm
Outputs		1
	Type	NPN transistor
	Loading capacity	200 mA, 42 V DC
Bargraph		10 two-color bars (LED)
Bars color		red/green
Resolution		10 %
IP Code		front IP65, rear IP20
Dimensions		48 x 26 x 65 mm
Weight		approx. 30 g
Protection class		III
Ambient temperature		-40…+60 °C
Storage temperature		-25…+55 °C
Humidity		up to 80% (non-condensing)

The bars can change their color if the process value crosses the set points.



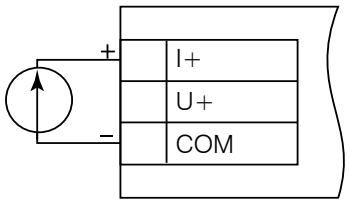
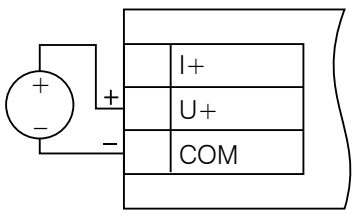


Dimensions:



Electrical connection:

Current sensor wiring



Voltage sensor wiring