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 a current signal of 0(4)-20 mA.

Due 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.

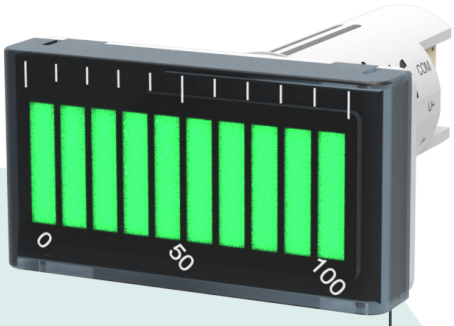
Along with indication, a simple on-off control can be implemented with the NPN transistor output of the ITP15. This output can control a load of up to 200 mA, 42 VDC.

Functions and features:

- Bar graph indication of the measured value
- 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







- 10 two-color bars
- Configurable input for linear current or voltage signals
- NPN-transistor output (42V DC, up to 200mA)
- Power supply
- Alarm function
- Effortless installation in a Ø 22.5 mm mounting cutout
- Save time for installation
- Compact size
- Push-button box installation option
- IP Code (on front)
- Ambient temperature

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We will be glad to assist you! Tel.: +49 (0) 511 16 59 672-0

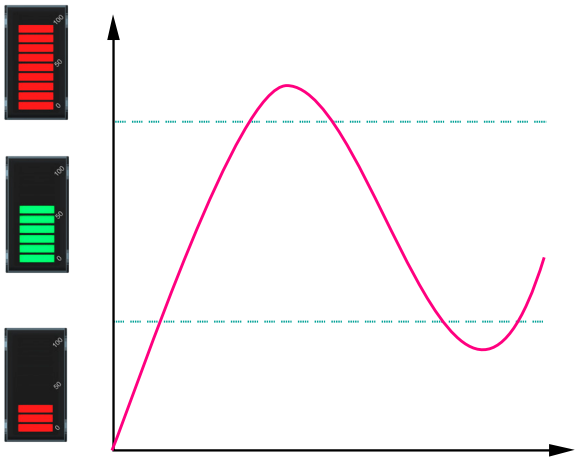
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Technical Data:

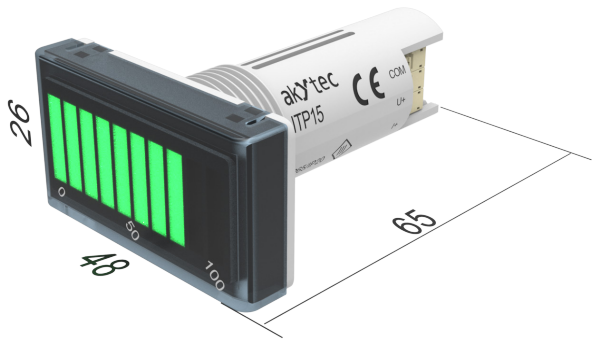
Power supply		24 (10…30) V DC
Power consumption, max.		1 W
Input		1
Input signal		0-5 mA, 0(4)-20 mA, 0(2)-10 V
	Sampling time	0.3 s
	Input resistance	0-5 mA, 0(4)-20 mA ≤ 120 ohm / 0(2)-10 V ≥ 250 kohm
Output		1
	Type	NPN transistor
	Loading capacity	200 mA, 42 V DC
Bargraph		10 two-color bars (LED)
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.



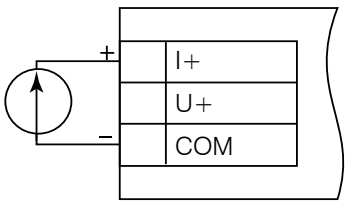


Dimensions



Electrical connection:

Current sensor wiring



Voltage sensor wiring

