

ITP15

LED Bar Graph Display

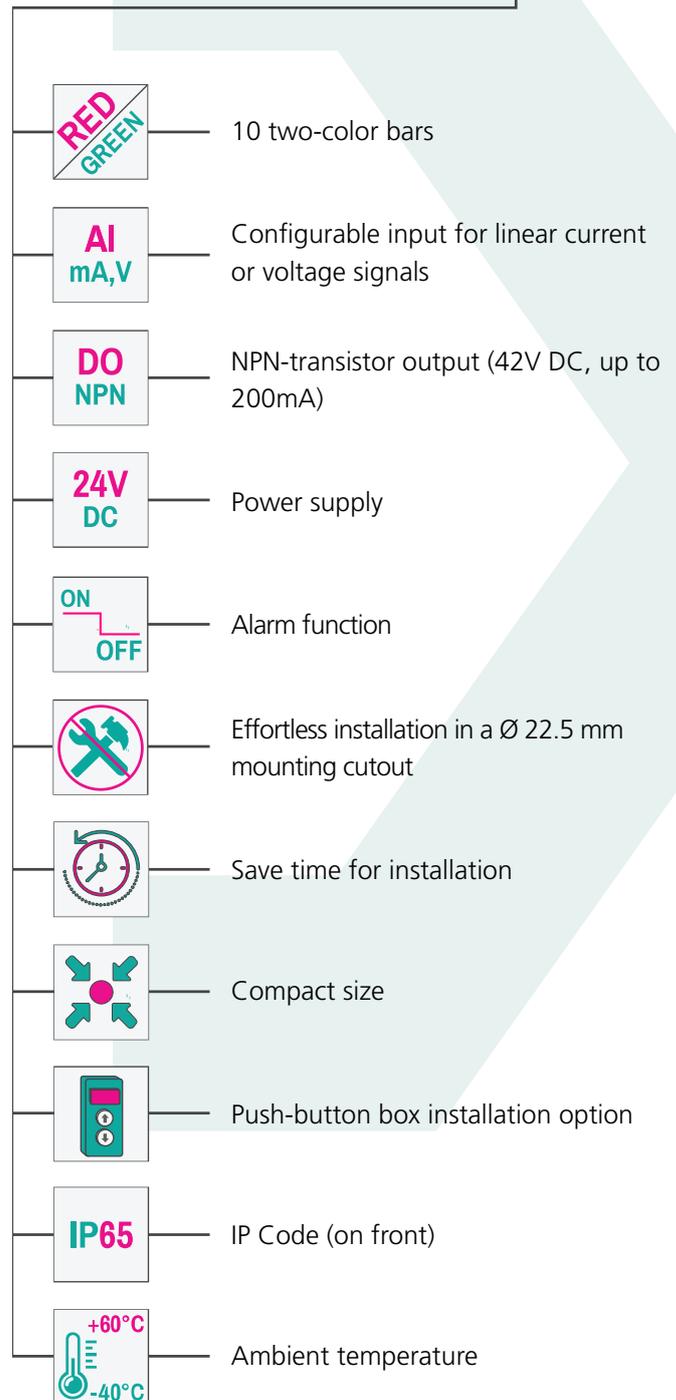
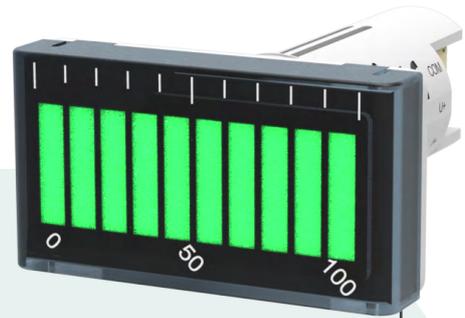
The ITP15 Bar Graph Display is a compact process indicator that is intended to visualize an analog input signal in the range from 0 to 100% with 10 bars 10% each. The input signal can be either a linear voltage signal of 0(2)-10 V or a current signal of 0(4)-20 mA.

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 $\varnothing 22.5$ 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:

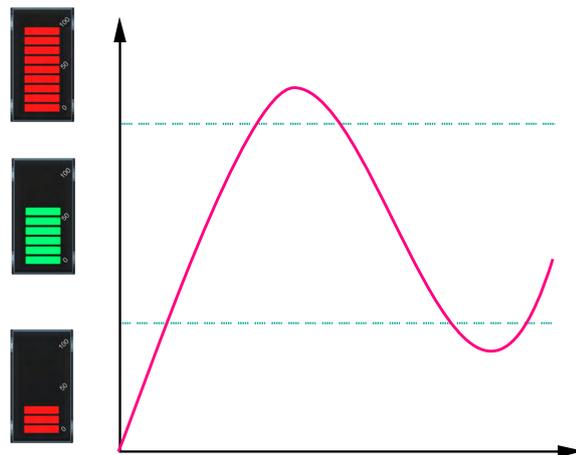
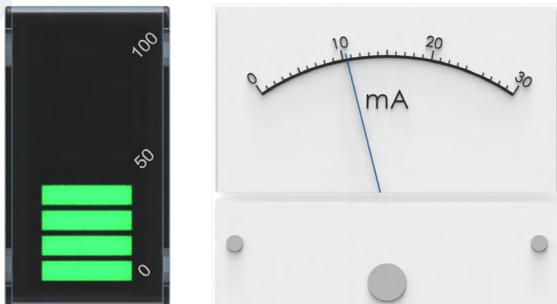
- Bar graph indication of the measured value
- Display range 0...100%
- 10 two-color bars (green/red) 10% each
- Configurable analog input (0-5 mA, 0(4)-20 mA, 0(2)-10 V)
- ON/OFF control with an NPN-transistor output
- 2 modes of blinking (fast/slow)
- Alarm settings



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 \leq 120 ohm / 0(2)-10 V \geq 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:

