

ITP14/ITP14-G

Universal process display

The ITP14 is a universally-applicable process display for monitoring and control of industrial processes. This display features a current/voltage input and an NPN transistor output. The input can be set either for current signals (4-20 mA, 0-20 mA, 0-5 mA) or for voltage signals (0-10 V or 2-10 V). The NPN transistor output makes it possible to implement on-off control with a low voltage relay up to 42 V DC / 200 mA.

This device has a compact, standardised design and fits into a standard 22.5 mm borehole. This provides quick and easy installation and many displays can be accommodated in a control cabinet door or on a panel.

Functions and features:

- Analog input 0-10 V, 4-20 mA and others
- Measuring and displaying of a process value
- Signal scaling
- Adjustable decimal point position
- Display range -999...+9999
- ON/OFF control with NPN output
- Square root function (for special transmitters)
- Digital filter
- Alarm function (blinking when exceeding the set points)
- Error indication when the input signal is out of range
- Error indication when wire break or shortcircuit



Ordering code:

Standard variants	Description	Enclosure
ITP14	ITP14 with red display color	48 x 26 x 65 mm Panel mount
ITP14-G	ITP14 with green display color	48 x 26 x 65 mm Panel mount



LED color: red or green



Analog input for mA and V signals



Digital output with NPN type



Powered by 24 V DC



Easy mounting in Ø 22.5 mm borehole



Save time for installation



Compact size



Can be installed in a push-button box



Accuracy 0.2%



IP Code



Ambient temperature

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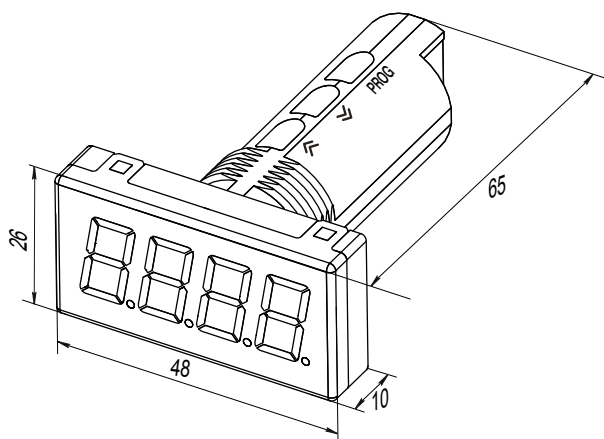
Areas of application:

The universal display ITP14 is particularly suitable for the fast and easy installation of visual display systems for various processes, such as water supply, thermal processing, and many other. The ITP14's compact size ensures that it can be used on-site as an additional display unit for measurement values or as part of a complex visual display system.

Technical data:

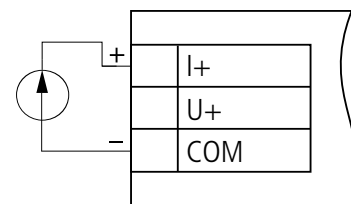
Power supply	24 (10...30) V DC
Power consumption, max.	1 W
Inputs	1
Input signal	0-5 mA, 0(4)-20 mA, 0(2)-10 V
Sampling time	0.3 s
Accuracy	$\pm (0.2\% \text{ FS} + 1 \text{ digit})$
Temperature influence	$\leq 0.2\% / 10^\circ \text{C}$
Input resistance	0-5 mA, 0(4)-20 mA $\leq 120 \text{ ohm}$ / 0(2)-10 V $\geq 250 \text{ kohm}$
Outputs	1
Type	NPN transistor
Loading capacity	200 mA, 42 V DC
Display colour	red or green
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% (at +35°C, non-condensing)

Dimensions:



Electrical connection:

Current sensor wiring



Voltage sensor wiring

