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

		LED color: red or green
AI mA,V		Analog input for mA and V signals
DO NPN		Digital output with NPN type
24V DC		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		Accuracy 0.2%
IP65		IP Code
+60°C -40°C		Ambient temperature

Ordering code:

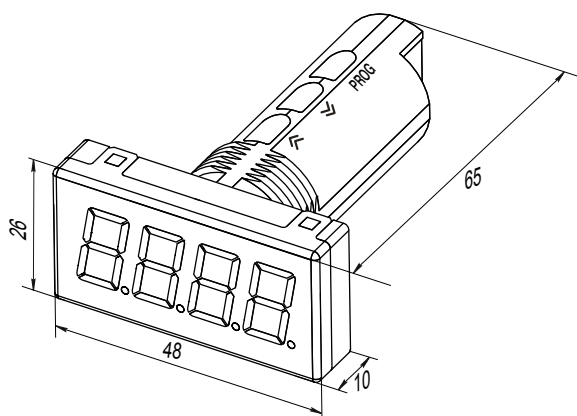| Standard variants	Description	Enclosure
ITP14	ITP14 with red display color	48 x 26 x 65 mm Panel mount
ITP14-G	ITP14 with green display color	48 x 26 x 65 mm Panel mount

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.
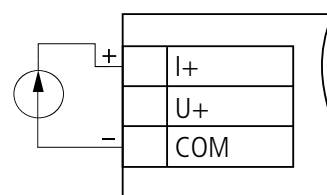
Technical data:

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	± (0.2% FS + 1 digit)
	Temperature influence	≤ 0.2% / 10 °C
	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
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