

Slim-size Bargraph Indicator TC150

- ◆ Low-cost
- ◆ Analog design
- ◆ Current and voltage input signals
- ◆ 24x96 mm DIN-sized front panel
- ◆ 30-dot LED bargraph
- ◆ Moving dot / bar modes available
- ◆ Custom-design bargraph and scale available

TC150 is a slim-sized process indicator for panel mounting with 24x96 mm DIN front size. It accepts linear voltage or current signals at its input and is equipped with a 30-dot vertical LED bargraph, indicating the input value as a percentage of the input range and thereby presenting a convenient 'analog' reading. In combination with a level transmitter, TC150 provides a handy level indication. Moving dot and moving bar modes of the bargraph display as well as custom bargraph design are available. Low priced, TC150 with its useful features and slim front design can be widely applicable for a vast range of industrial solutions.



Technical specifications

Input ⁽¹⁾

Linear voltage	0...10, 20, 50, or 100 mV, 0...1, 2, 5, or 10 V
Linear current	0(4)...20 mA
Custom linear voltage ⁽²⁾	min. 0...max. 40 V DC
Custom linear current ⁽²⁾	min. 0...max. 100 mA DC

Accuracy

Resolution	3.33% from span
Temperature drift	0.02% from span for 1 °C

Bargraph display

Type	30 LED dots, 2 mm wide
Scale	0...100% or custom design ⁽²⁾
Mode	moving dot or moving bar
Color	red, green, or yellow ⁽²⁾

Power supply

SMPS voltage ⁽³⁾	90...250 VAC/DC
Isolated low voltage	12...24 VAC/DC
Non-isolated low voltage	12...24 VAC/DC
Consumption	max. 4 VA

Operating conditions

Operating temperature	-10...65 °C
Operating humidity	0...85 %RH

Design and materials

Case material	plastic
Mounting	in 21x93 mm panel cut-out
Wiring	screw terminals
Dimensions	24x96(front)x125 mm
Mounting depth	120 mm
Weight	max. 150 g
Protection, front/terminals	IP54 / IP20
Increased front IP (option)	IP65

⁽¹⁾ Provides loop supply voltage - 24 VDC (only w/ isolated power supply)

⁽²⁾ Specify when ordering!

⁽³⁾ Ask for availability!

Ordering code TC150 - G1.G2.G6'6" - #1

Code	Feature or option	Code values
G1	Power supply	C - 90...250 V ⁽³⁾ , P - 12...24 V, non-isolated, Q - 12...24 V, isolated
G2	Bargraph display	D1 - w/ moving dot, D2 - w/ moving bar, Z - custom design (specify!)
G6'6"	Input ⁽¹⁾	DA - 0...5 mA, DB - 0...20 mA, DC - 4...20 mA, DE - 0...10 mV, DF - 0...20 mV, DG - 0...50 mV, DH - 0...1 V, DI - 0...2 V, DJ - 0...5 V, DK - 0...10 V, DZ - other
#1	Increased front protection	X - none, P - IP65 front protection