

Specifications

Input	<input type="checkbox"/> 0...5 mA, <input type="checkbox"/> 0...20 mA, <input type="checkbox"/> 4...20 mA, <input type="checkbox"/> 0...10 mV, <input type="checkbox"/> 0...20 mV, <input type="checkbox"/> 0...50 mV, <input type="checkbox"/> 0...1 V, <input type="checkbox"/> 0...2 V, <input type="checkbox"/> 0...5 V, <input type="checkbox"/> 0...10 V,
Power Supply (U_p)	<input type="checkbox"/> <input type="checkbox"/> 12...24 VAC/DC, isolated, <input type="checkbox"/> 12...24 VAC/DC, non-isolated
Auxiliary Supply Output Consumption	<input type="checkbox"/> $\leq U_p$ (DC); $\leq 1.2 \cdot U_p$ (AC)
Resolution	less than 4 VA
Temperature Drift	3.33% from span
Operating Temperature / Humidity	0.02% from span for 1 °C
Protection Class: front, terminals	-10...65 °C / 0...85% RH <input type="checkbox"/> IP54, <input type="checkbox"/> IP65 / IP20

Warranty and Support

..... serial number	Warranty COMECO warrants this product to be free from defects in materials and workmanship for 2 years. If your unit is found to be defective within that time, we will promptly repair or replace it. This warranty does not cover accidental damage, wear or tear, or consequential or incidental loss. This warranty does not cover any defects caused by wrong transportation, storage, installation, or operating (see 'Specifications').
..... manufacturing date	
QC check mark(passed) (stamp)	
88 Slavyanska Str. P.O.Box 378 Plovdiv 4000, BULGARIA tel: +359 32 646523, 646524 fax: +359 32 634089, 646517 e-mail: support@comeco.org	Technical support In the unlikely event that you encounter a problem with your COMECO device, please call your local dealer or contact directly our support team.

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v4-02.10



COMECO Inc., P.O.Box 378, Plovdiv 4000, BULGARIA, tel: +359 32 646523, 646524, fax: 634089
 e-mail: info@comeco.org, WWW.COMECOGROUP.COM

SLIM-SIZE BARGRAPH INDICATOR

TC150

OPERATION MANUAL

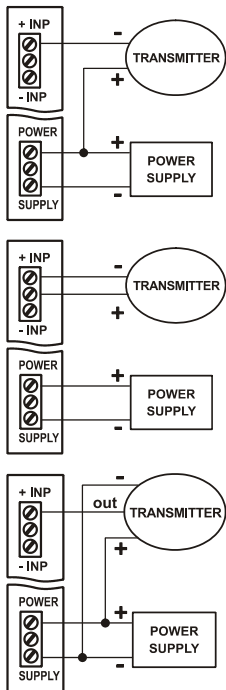


Please read this Operation Manual before mounting and operating!
 Save the Manual for future references!

Overview

TC150 is a slim-size process indicator for panel mounting, equipped with a 30-dot vertical LED bargraph with 0...100% range and accepting linear voltage or current signals at its input. In combination with a level transmitter, TC150 provides convenient level indication. Moving dot and moving bar modes of bargraph display are also available as well as custom bargraph design. Low priced, TC150 with its useful features and slim front design can be widely applicable for a vast range of industrial solutions.

Mounting and Wiring



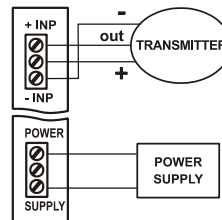
Mounting

Place TC150 into a 21 x 93 mm panel cut-out and tighten into place using the enclosed mounting brackets.

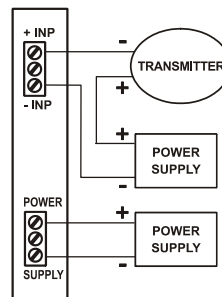
Wiring

- ◆ To connect a 2-wire transmitter to your TC150, and supply both devices using an external non-isolated power source (see '**Specifications**'), follow the left diagram.
- ◆ In case of isolated power supply source (see '**Specifications**'), adhere to the second diagram.
- ◆ When connecting a 3-wire transmitter and a common non-isolated power supply source, follow the wiring diagram on the left.

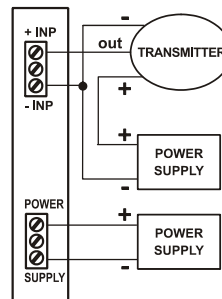
Mounting and Wiring



- ◆ To connect a 3-wire transmitter and power it with isolated supply output via the TC150's auxiliary supply output (to find if such is installed, see '**Specifications**'), follow the left diagram.



- ◆ When connecting a 2-wire transmitter to your TC150, while using 2 separate galvanically isolated external supply sources, wire as illustrated on the left.



- ◆ To connect a 3-wire transmitter to your TC150, and supply each device via detached galvanically isolated external supply source, follow the diagram on the left.