

## Bar-graph Panel Indicators TC66



- ♦ Low cost
- ♦ 4-digit LED display plus 50-dot bar-graph
- ♦ Variants with linear or 240° arc bar-graph
- ♦ Well protected from electromagnetic disturbances
- ♦ Moving DOT/BAR modes available
- ♦ Custom design bar-graph and scale available

The process indicators TC66B and TC66D are an extension of the TC65 indicator family. In addition to the digital display, showing the exact value of the measured variable they also feature a LED bar graph indicating the input value as a percentage of the input range. This provides more convenient "analog" readings. This series includes two variants: with bar graph in the shape of a 240-degree arc resembling a traditional pointer and dial gauge (variant "B"), and a linear horizontal bar graph (variant "D"). Both variants have a custom made tag on the front panel with the measured value physical unit. Moving DOT or moving BAR modes of bar-graph display are also available as well as custom bar-graph design. The low cost TC66 indicators are widely used in industry and have established positions in power plants.



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### Technical specifications

Inputs	Linear analog
<b>Voltage: 0...10 mV</b>	min. -1999 to max.+1999
<b>Voltage: 0...20 mV</b>	min. -1999 to max.+1999
<b>Voltage: 0...50 mV</b>	min. -1999 to max.+1999
<b>Voltage: 0...100 mV</b>	min. -1999 to max.+1999
<b>Voltage: 0...1 V</b>	min. -1999 to max.+1999
<b>Voltage: 0...2 V</b>	min. -1999 to max.+1999
<b>Voltage: 0...5 V</b>	min. -1999 to max.+1999
<b>Voltage: 0...10 V</b>	min. -1999 to max.+1999
<b>Linear current: 0...5 mA</b>	min. -1999 to max.+1999
<b>Linear current: 0...20 mA</b>	min. -1999 to max.+1999
<b>Linear current: 4...20 mA</b>	min. -1999 to max.+1999
<b>Custom linear voltage: <sup>(1)</sup></b>	min. -1999 to max.+1999
<b>min. 0 to max. 40 V DC</b>	
<b>Custom linear current: <sup>(1)</sup></b>	min. -1999 to max.+1999
<b>min. 0 to max. 50 mA DC</b>	
<b>Decimal point position</b>	x1, x0.1, x0.01, x0.001
<b>Display range</b>	Specified by customer
Outputs	
<b>Power supply for transmitter</b>	12 VDC
<b>Maximum load</b>	Max. 40 mA
Operating conditions	
<b>Operating temperature</b>	-10 to 65 °C
<b>Operating humidity</b>	0 to 85 %RH

<sup>(1)</sup> On request - specify range within stated limits

### Accuracy

<b>Measurement error</b>	0.4 % from span
<b>Temperature drift</b>	0.007 % from span for 1 °C

### Power supply

<b>Supply voltage</b>	220(110) VAC ± 10%
<b>Pulse mode (optional)</b>	90 to 250 VAC/DC
<b>Consumption</b>	Max. 4 VA

### Digital display

<b>For variant "B"</b>	3.5 digit LED - 10mm
<b>For variant "D"</b>	3.5 digit LED - 14mm

### Bar-graph

<b>For variant "B"</b>	240° arc with 50 dots
<b>For variant "D"</b>	Horizontal line with 50 dots
<b>Bar graph dot</b>	Red LED, 2.5 mm wide

### Design and materials

<b>Case material</b>	Plastic
<b>Mounting</b>	In panel cut-out
<b>Wiring</b>	Screw terminals
<b>Dimensions [mm]</b>	96x96x120 or 144x72x105
<b>Weight</b>	Max. 500 g
<b>Protection front/terminals</b>	IP-54 / IP-20

### Ordering code



TC66\* - G1.G2.G3.G6"6"

Code	Feature or option	Code values
<b>*</b>	Indicator variant	<b>B</b> - with arc shaped bar graph (front 96x96 mm) , <b>D</b> - with linear bar graph (front 144x72 mm)
<b>G1</b>	Power Supply type	<b>A</b> - 220 VAC, <b>C</b> - 90...250 VAC/DC <sup>(2)</sup>
<b>G2</b>	Display type <sup>(3)</sup>	<b>F</b> - LED + bar graph, <b>G</b> - LED + bar graph (bright)
<b>G3</b>	Resolution	<b>B</b> - 1, <b>C</b> - 0.1, <b>D</b> - 0.01, <b>E</b> - 0.001
<b>G6"6"</b>	Input signal type	<b>DA</b> - 0.5 mA, <b>DB</b> - 0.20 mA, <b>DC</b> - 4..20 mA, <b>DE</b> - 0..10 mV, <b>DF</b> - 0..20 mV, <b>DG</b> - 0..50 mV, <b>DH</b> - 0..1V, <b>DI</b> - 0..2 V, <b>DJ</b> - 0..5 V, <b>DK</b> - 0..10 V, <b>DZ</b> - other

<sup>(2)</sup> Contact COMECO for availability!

<sup>(3)</sup> Specify bar-graph type: moving DOT or moving BAR!

For detailed instructions on ordering coding see chapter "ORDERING CODES"!