

DIGITAL PROCESS MONITOR DZ

two wires connection

for current loop 4 – 20 mA

INPUT SIGNAL	
Preseted signal	
CURRENT	4 – 20 mA

DIGITAL PROCESS MONITOR OVERVIEW
<p>Digital process monitor DZ measures physical values and displays on 13mm LCD display. DZ monitor is designed to work in current loops, from which is feeded. Maximal voltage drop is 3,5V. ($U_{MAX} = 2.5 V + dU$; $dU = R \times I = 50\Omega \times I$ [Ohm x Amper]).</p> <p>FUNKCE</p> <ul style="list-style-type: none"> <input type="checkbox"/> DISPLAYING measured physical value <input type="checkbox"/> DEVICE WORKS IN CURRENT LOOP <input type="checkbox"/> SCALE SETUP in full range by user <ul style="list-style-type: none"> ▪ rough ▪ fine <input type="checkbox"/> DECIMAL POINT set by user <input type="checkbox"/> ZERO SHIFT upto 1200 digits by user <input type="checkbox"/> COMPACT SIZE – depth only 63 mm <p>DESCRIPTION</p> <p>All settings are realized by two DIP switches and three trimmers. Digital process monitor DZ is built into industrial standart box (96*48 mm), which is intended to panel mounting into switch board. Terminal strip is located on the rear side of device.</p>

TECHNICAL DATA	
DISPLAY	+/- 1 999 – LCD 13 mm, without backlight
POWER SUPPLY	powered by 4-20 mA signal 3,5 V max voltage drop
INPUT PROTECT.	protection posistor PTC max. 28 V
READ RATE	2,5 conversion / sec (or spec. 4 conversion / sec)
ACCURACY	0,1% of full scale +/- 1digit $T_{ref} = 23\text{ }^{\circ}\text{C}$
TEMP.COEFFIC.	0,005 % of full scale / $^{\circ}\text{C}$
ZERO SHIFT	adjustable to +/- 1 200 digits
SCALE	adjustable in full range +/- 1 999
PANEL CUTOUT	91 x 44 mm (w x h)
DIMENSIONS	96 x 48 x 63 mm (w x h x d)
ENCLOSURE	IP40
WIRING CONNECTION	terminal strip <i>max. conductor cross-section is 2,5mm</i>
WEIGHT	140 g
STABILISATION	5 minutes
OPERAT.TEMP.	0 $^{\circ}\text{C}$ / +50 $^{\circ}\text{C}$
OPERATION	continous run
SITE ALTITUDE	max. 2000 metres above the sea level
EMC radiation	ČSN EN 61326-1 I. 7 (2006)
	ČSN EN 55011, group 1, class A
EMC immunity influence	max. +/- 0,1% from full signal with unshielded wires

