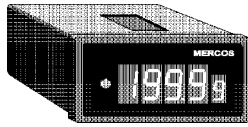


4 inputs digital processmeter



voltage input

current input

INPUT SIGNALS

- 0 - 10 V DC
- 0 - 5 V DC
- 0 - 20 mA DC
- 4 - 20 mA DC
- variable (specified after consulting with technical section)

FUNCTION

- DISPLAYING** up to **four** measured **physical values**
- SCALES** SETTING in **full** range by **user**
- SETUP DECIMAL POINTS** by user
- INPUT SIGNALS SELECTION** by user
- SWITCHING INPUTS** optional by user

DESCRIPTION

Digital indicator series **D M** is used as a simple process monitor for displaying upto 4 measured physical values.

Device could work with different inputs :

ex.: 1x 0-10VDC , 2x 4-20 mADC a 1x 0-20 mADC

Input signal is direct voltage or current.

Digital process monitor is built into instrumental box, which is intended to panel mounting into switchboard. Terminal strip is located on rear wall of the unit..

There is a button on the front panel used to switch displayed input signal.

Or you can choose by jumper AUT/MAN if device will switch displayed input automatically.

There is a red display with standard luminous intensity in the standard model. Optionally the device can be supplied with the red display with increased luminous intensity, with green display.

On display board are situated controls for :

- zero shifting for all 4 input signals (seperately)
- button for switching displayed input signal
- jumper AUT/MAN
- jumpers for +/- signal offset

On the back side of device are controls for:

- setup scale ranges for all 4 inputs (separately)
- selection of input signals types (separately)

TECHNICAL DATA

DISPLAY	0 - +/- 1999 , red LEDs, 14,2 mm
POWER SUPPLY	24 VAC +/-20% or 18-32 VDC
POWER CONSUMP.	2.0 VA (integrated fuse T500 mA)
INPUT	voltage input : 1 MOhm
RESISTANCE	current: 22 Ohm
READ RATE	2.5 conv. /second (or special 4 conv. / s)
ACCURATE	0.05 % of full scale +/- 1digit Tref=23°C
TEMP. COEFFIC.	0.01% of full scale / °C
ZERO SHIFT	adjustable to +/- 1200 digits
SCALE SETTING	adjustable to 1999 digits
MOUNTING	panel mounting using two clamps
DIMENSIONS	96 H x 48 W x 85 D mm (without terminals)
PANEL CUTOUT	90.0 ^{+0.5} x 43.5 ^{+0.5} mm
ENCLOSURE	IP 40
CONNECTION	terminal strip, max cross-section of wires 2.5
WEIGHT	220 g
STABILISATION	5 minutes
OPERATING TEMP.	0 - + 50 °C
OPERATION MODE	continuous

EACH INPUT SIGNAL HAS OWN SCALE AND INPUT SIGNAL TYPE.

ORDER CODE

DM - / .
 a b c d e g

a	input	U voltage
		I current
b	input signal	1 0 - 10 V DC
		2 0 - 5 V DC
		3 variable (after cosultation)
	VOLTAGE	1 0 - 20 mA DC
		2 4 - 20 mA DC
		3 variable (after cosultation)
CURRENT	1 24 VAC +/-20%,20-32	
	0 without output signal	
	0 without excitation supply	
c	power supply	4 four input signals
d	output signall	
e	excita..supply	
g		

NOTICE

- UNUSED INPUTS** will connected due to type if input signal , see in wiring diagram
- DECIMAL POINT** for unused input will be setuped on 1999 if no other specification will be included

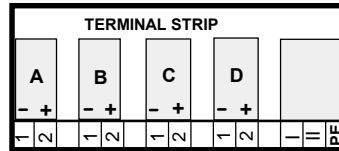
ORDER EXAMPLE

DM - I 2 1 0 0 / 4
 input signal : 4- 20 mA DC
 power supply : 24 VAC , 20-32 VDC
 number of input signals. : 4 input signals

decimal points specificatio:
 1. input: 199.9
 2. nput: 199.9
 3. nput: 19.99
 4. nput: 1999

NOTICE:
 IF ORDER IS FULLY SPECIFY RANGES , INPUT SIGNALS TYPES AND DECIMAL POINTS WE WILL SETUP DEVICE US YOU SPECIFY.
 IF NOT WE WILL SETUP DEFAULT VALUES :
 input: 4x 4-20 mA , ranges: and dec. points: 4x 0 - 100.0,

WIRING DIAGRAM



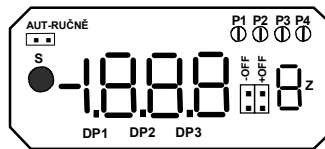
LEGENDA

- strips **A: 1, 2** first analog. input (AI)
- strips **B: 1, 2** second analog. input (AI)
- strips **C: 1, 2** third analog. input (AI)
- strips **D: 1, 2** forth analog. input (AI)
- strips **I, II, PE** power supply

UNUSED INPUT :

- **current** - nothing
- **voltage** - shortcut of strip 1 and 2

DISPLAY BOARD - zero setup (4x)

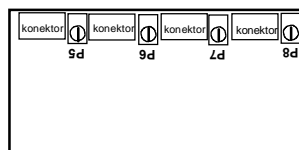


JUMPER: AUT - MAN
 ON: automatically swtich
 OFF: manually switch
JUMPER: of shifting
 - OFF: negative signal shjft
 + OFF: positive signal shift

LEGEND

- P1 trimer for zero shifting for 1. input signal
- P2 trimer for zero shifting for 2. input signal
- P3 trimer for zero shifting for 3. input signal
- P4 trimer for zero shifting for 4. input signal
- S button for displayed input signal
- Z display index of input signal
- DP1, DP2, DP3 decimal points

BACK SIDE OF DEVICE - range setup (4x)



LEGEND

- P5 trimer for range setup of 1. input signal
- P6 trimer for range setup of 2. input signal
- P7 trimer for range setup of 3. input signal
- P8 trimer for range setup of 4. input signal

DECIMAL POINTS SETUP

