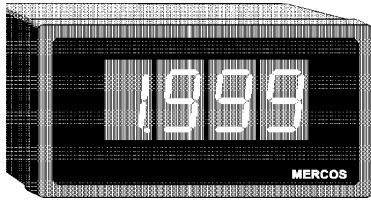


BIG-DISPLAY DIGITAL PROCESS MONITOR *with one input*



- display -/+ 9999 digits**
- current & voltage input**

INPUT SIGNALS

- 0/4 - 20 mA DC
- 0 - 10 V DC
- user input
 - range: 0 - 22 mA DC
 - range: 0 - 11 VDC

OPTIONS

- excitation supply (E.S.)
 - 24 VDC , 30 mA

FUNCTIONS

- DISPLAYING** of measured physical value
- SELECTION OF INPUT SIGNAL** by user
- SCALE SETTING** in full range by user

DESCRIPTIONS

Big-display Digital process monitor series DMV 01 is used as:

- for displaying of measured physical value**

There are four buttons situated under the front panel of digital process monitor which are determined to **SETUP all functions.**

All **settings** are **saved** in **EEPROM** memory .

Digital process monitor is built into instrumental box with inclosure IP 65, which is intended to mounting on wall, construction.

Terminal strip is located inside of the unit and in standard package are included 2 pcs of feedthroughs with inclosure IP 65. There is a red display with HYPER luminous intensity in the standard model. Optionally the device can be supplied, with green hyper luminous display.

Notice:

- power supply is galvanically isolated from:
 - input signal
 - excitation supply (e.g. sensor)
- device can be connected to AC or DC power supply without any consideration when DC is used, the polarity is unimportant.

TECHNICAL DATA

DISPLAY	-/+ 9999 hyper red LEDs - 57 mm
POWER SUPPLY	a/ 24 VAC or 24 VDC : -15% / +20%
	b/ 230 VAC
POWER CONSUMPTION	5.0 VA : indicator + 1.0 VA : exc. supply: 24VDC/30mA integrated fuse T500mA
INPUT RESISTANCE	current input : 50 Ohm voltage input: 270 KOhm
DIG. RESOLUTION	analogue input: 15 bits
READ RATE	10 conv. /second : internal meas
	4x display refresh per second
ACCURATE	0.05 % of full scale +/- 2 digits
TEMP. COEFFIC.	0.01% of full scale / °C
SCALE SETTING	free adjustable from -9999 to +9999 digits
ELECTRICAL STRENGTH	510 V eff / 1 min : power / input, E.S. input / E.S.
MOUNTING	by four screws
DIMENSIONS	281 H x 138 W x 55 D mm
FEEDTHROUGH	2 pcs IP 65 (in standart package)
ENCLOSURE	IP 65
CONNECTION	term. strip: max cross-section of wires 2,5 mm
WEIGHT	550 g (ver 24VDC), 700 g (ver 230VAC)
STABILISATION	5 minutes
OPERATING TEMP	0 - + 50 °C
OPERATION	continous
EMC due	due EN 61000-4-2,3,4,5,6,8
	standart due EN 55081-1: 1994
VF array interaction	max. 0.1 % (for unsrewed wires)

DMV 01

IDENTIFICATION CODE

DMV 01 - . . .
 a b

a	power supply	1 24 VAC -15/+20% or 24VDC
		2 230 VAC +/-5%
b	excitation	0 without E.S.
		1 E.S.: 24VDC, 30mA

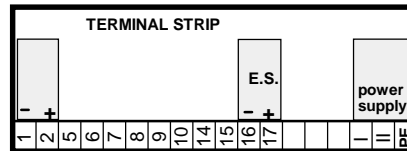
SELECTION OF INPUT SIGNAL

- by **JUMPER** : " J1 "
- by jumper " J " we switch current or voltage input (must be switched in setup menu too)
- J1: ON current input
- J1: OFF voltage input

ORDERING EXAMPLE

- DMV 01 - 11**
 - power supply: 24VAC or DC
 - excitation supply 24VDC max 30 mA

WIRING DIAGRAM



LEGEND

- term. 1 , 2 analogue input (AI)
- term. 16 , 17 excitation supply (E.S.)
- term. I, II, PE power supply: 24VAC or 24VDC
- term. L, N power supply: 230VAC
- notice
- term PE: terminal for lowest potential

DISPLAY BOARD - setting elements

