

# Series M40

## Programmable meter 96x48mm

### M40-P

Process mA and Vdc  
( $\pm 20\text{mA}$ ,  $\pm 10\text{Vdc}$ )



### M40-D

Voltages up to  $\pm 600\text{Vdc}$   
Currents up to  $\pm 5\text{Aac}$



### M40-A

Voltages up to 300Vac  
(TrueRMS CAT-III)



Voltages up to 600Vac  
(TrueRMS CAT-II)

Currents up to 5Aac  
(TrueRMS)



- \* Programmable panel meters 96x48mm (1/8 DIN standard)
- \* 4 digits ("9999"/"-9999") or 5 digits with last digit fixed to zero ("99990"/"-99990")
- \* Configuration by front keypad
- \* Universal power supplies               85-265 Vac/dc  
   11-60 Vdc and 24/48 Vac
- \* Included functions : memory for maximum and minimum display, left zeros, add zero to the right, display on steps, fixed digits, display recursive filter, levels of brightness, "measure" function(to visualize the input signal without scaling), offset and span autocorrection (to assign actual signal to display high or low), "peak&hold" and password
- \* Up to 4 alarms, with 1 or 2 setpoints per alarm (activation windows), hysteresis and activation delays
- \* Segment linearization and measure up to CAT-III
- \* Up to 3 modules for signal retransmission and control (relays, analogue outputs, serial communications, ...)
- \* Protection IP54 standard with optional IP65
- \* Connections by plug-in screw clamps



INFORMATION  
(2161R00)

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# TECHNICAL DATA M40

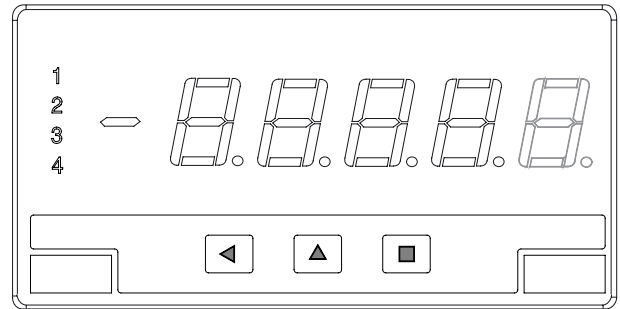
## General data

The M40 series is a complete range of programmable panel meters in 96x48mm format (standard 1/8 DIN) and configuration by front keypad. Resolution is 4 digits (maximum display "9999") or 5 digits with last digit fixed to zero (maximum display "99990").

Different models allow to measure process signals, temperatures, AC and DC voltages and currents, frequencies, etc. All units up to 3 output modules for retransmission and/or control (relays, analogue outputs, serial communications, ...)

Added functionality include : memory for maximum and minimum, segment linearization, alarms with double setpoints (activation windows), excitation voltages, display on predefined steps, password, brightness levels, peak&hold, ...

Measures in AC are TrueRMS and up to CAT-III. Power modules allow for universal AC and DC power options, covering 12Vdc, 24Vdc, 48Vdc, 110Vdc, 24Vac, 48Vac, 115Vac, 230Vac, ...



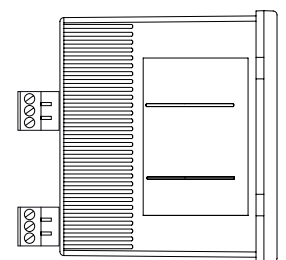
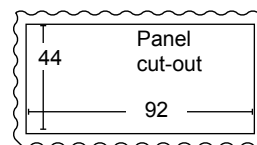
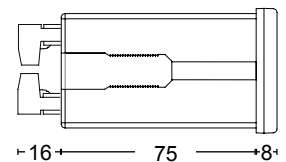
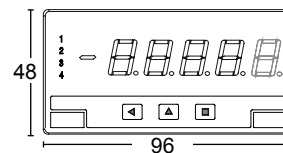
**IDEAL SOLUTION** for general applications in industry, or when any of the following special characteristics needed : measure in CAT-III environment, segment linearization, alarms with activation windows, memory of maximum and minimum, offset and span correction "on the field", ...

Simplified maintenance : signal, power and option modules are quickly replaced or newly installed in case of substitution. Plug-in terminals used for connections

## Technical data

DISPLAY MAXIMUM / MINIMUM	9999 / -9999 (o 99990 / -99990)
DECIMAL POINT	9.9.9.9. selectable
DIGIT HEIGHT	14 mm
DIGIT TYPE	7 Segments, Red
CONFIGURATION	By frontal keypad
POWER SUPPLY "H"	85-265 Vac/dc
POWER SUPPLY "L"	11-60 Vdc and 24/48 Vac
CONSUMPTION	<4W
CONNECTIONS	Plug-in screw terminals
MOUNTING	Panel
FRONT SIZE	96 x 48 mm
PANEL CUT-OUT	92 x 44 mm
DEEP	91mm (Including terminal)
WEIGHT	<150 grams
IP PROTECTION	IP54 Standard IP65 Optional
OPERATING TEMPERATURE	0 to 50°C
STORAGE TEMPERATURE	-20 to +70°C
WARM-UP	15 minutes
OVERRANGE	FLASH + «ORS»
UNDERRANGE	FLASH + «URS»
OUT OF SCALE	FLASH + «9999» / «-9999»

## Mechanical dimensions(mm)



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