

M40-P-H-R4-AO Process panel meter

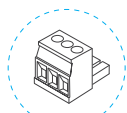
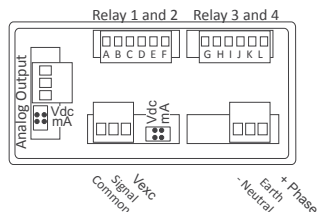
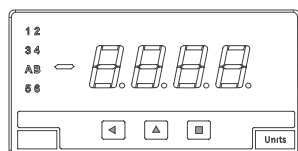
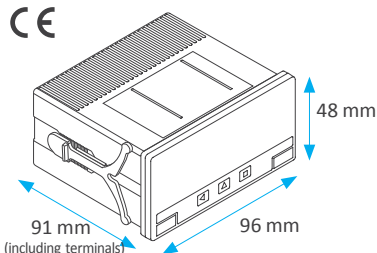
Panel meter for process signals in mA y Vdc. Reading at 4 digits with 14 mm digit height. Standard 96 x 48 mm (1/8 DIN) size, for panel mount. Provides excitation voltage to power the transducer. Universal high power suppl. 4 relay output. 1 analog output in 4/20mA active or passive or 0/10Vdc.



Technical specifications

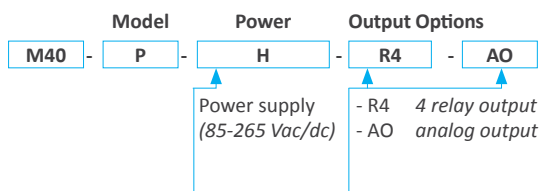
Digits	4
Reading	9999 / -9999
Decimal point	configurable
Led color	red
Digit height	14 mm
Signal ranges	4/20 mA, 0/10 Vdc, ± 20 mA, ± 10 Vdc, ...
Excitation voltage	+20 Vdc, +15 Vdc, +10 Vdc, +5 Vdc (max. 35 mA)
Accuracy	0.05% F.S. ± 1 digit
Offset drift	10 ppm/ $^{\circ}$ C
Span drift*	25 ppm/ $^{\circ}$ C <i>*span drift value includes offset drift</i>
Readings	15 readings / second
Refresh	15 refresh / second
Response time	<120 mSec. (0 % to 99 % signal)
Input impedance	11 Ohm in mA, 932 KOhm in Vdc
Power 'H'	85 to 265 Vac/dc (isolated 2500 Veff)
Power 'L'	11 to 60 Vdc and 24/48 Vac (isolated 1500 Veff)
Retransmission and control options	relays, analog output, serial communications, ...
Consumption	<1.5 W (meter only) <4.0 W (meter with options)
Front protection	IP65
Connections	plug-in screw terminal
Weight	<300 grams
Mounting	panel
Front size	96 x 48 mm
Panel cut-out	92 x 44 mm
Deep	91 mm (including terminals)
Operating temperature	0 to 55 $^{\circ}$ C

Dimensions and connections



Detail of the plug-in screw terminal. The instrument is provided with all male and female terminals needed.

Reference



Functions included

Segment linearization. up to 20 segments for linearization of signals from irregular shaped volumes, tanker ships, ...

'Fast access' menu a single press on the front keypad gives access to alarm setpoint modification, special functions, memory of maximum and minimum reading, ...

'Field correction' function . . . for fast and easy offset corrections when installing on the field.

'On power-up' function protects remote systems by delaying the output and control signals at cold start-up.

'Measure' function..... for troubleshooting purposes, it displays the actual signal at input terminals, directly in mA or Vdc, without scaling.

4 Alarms relay with one or two setpoints each relay, independent activation and deactivation delays to create windows, hysteresis, isolated between the relays. Isolated relays. 3 contacts NC, NO, Common. Maximum voltage 250Vac continuous (see manual for more info). Maximum current 6A per relay

'Tare' function..... for weight applications.

'Peak & hold' function for test-break applications.

Display filters. recursive filters for noisy signals, optional reading in predefined steps, configurable fixed digits, ...

Brightness 5 levels of brightness intensity.

Password blocks access to configuration menu.

Additional documentation

M40-P user's manual	www.fema.es/docs/2145_M40-P_manual_en.pdf
M40-P datasheet	www.fema.es/docs/3174_M40-P_datasheet_en.pdf
Options user's manual	www.fema.es/docs/4254_SERIES_M-K-S_OPTIONS_manual_en.pdf