M40-P 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 and low AC and DC power options. Optional output modules with relay, transistor, SSR control, analog outputs and MODBUS RTU communication.





Technical specifications

9999 / -9999 Reading Decimal point configurable Led color red or green 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/ºC Span drift* 25 ppm/ºC

*span drift value includes offset drift

15 readings / second Readings 15 refresh / second Refresh

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 'I' 11 to 60 Vdc and 24/48 Vac (isolated 1500 Veff) relays, analog output, serial communications, ... Retransmission and control options

Consumption <1.5 W (meter only) <4.0 W (meter with options)

Front protection IP65

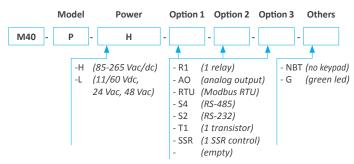
Connections plug-in screw terminal

Weight <150 grams Mounting panel Front size 96 x 48 mm Panel cut-out 92 x 44 mm

91 mm (including terminals) Deep

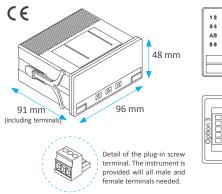
Operating temperature 0 to 50 °C

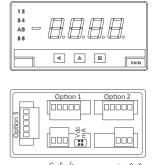
Order reference



- * Relays R1 with contacts (NC / NO / Common), max. 250 Vac 8 A
- * Special options with 4 and 6 relays.
- * Analog outputs and serial outputs, isolated.

Dimensions and connections





Functions included

Segment linearization..... up to 20 segments for linearization of signals from

irregular shaped volumes, tanker ships, ...

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 power-up' function protects remote systems by delaying the output

and control signals at cold start-up.

for troubleshooting purposes, it displays the actu-'Measure' function

al signal at input terminals, directly in mA or Vdc,

without scaling.

with one or two setpoints, independent activation and deactivation delays, hysteresis, optional manu-

al deactivation of the relay.

for security applications, relay can be configured with inverted function.

'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.









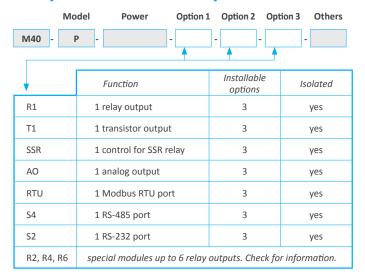








Output and control options



Other options





Accessories





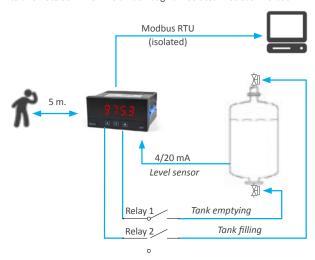






Application example

Measure of level from an irregular tank, with relay outputs to the solenoid valves that control the filling and emptying of the tank. Retransmission of the reading value to a remote SCADA of PLC unit through an isolated Modbus RTU bus.



Reading distances

Digit height (mm)	10	14	20	60	i Li Li
Reading distance	4 m	5 m	8 m	20 m	40 m
Series	L	M,S	K	B2x	B4x

Other Process meters















5 YEARS Extended Warranty

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