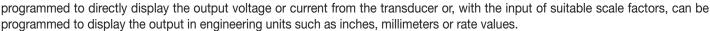


1

Micro-P Displays — Total Compatibility With UniMeasure Analog Transducers!

The **Micro-P Digital Panel Meters** are the perfect complement to UniMeasure analog series linear position transducers. With simple front panel setup, the Micro-P can be



The Micro-P makes 60 readings per second (50 per second for 50 Hz operation) for fast control response, true peak reading capability, and an analog output that accurately tracks the signal input. The Micro-P has an adaptive digital filter that can automatically select the best time constant for minimum noise, yet responds rapidly to an actual change in signal level. The peak value input signal can be displayed by the push of a button. Auto tare allows the meter display to be set to zero for any input signal level.

The Micro-P provides an isolated 5 VDC, 10 VDC, or 24 VDC output to power the transducer, eliminating the need for an external power supply. There are two alarm indicators with the setpoints programmed by front panel push-buttons. Open collector transistors or dual 10 amp relays may be added to provide control outputs. The outputs can be set to operate above or below the set point in a latched or non-latching mode. Time delays of the outputs are digitally selectable.

0 to 10 V or 0 to 20mA (4–20 mA) analog outputs are available to drive chart recorders, remote displays or for transmission to a central control room. Outputs are scaled through front panel push buttons. Adding RS-232 or RS-485 enables the meter to communicate with PLC's or computers. Baud rates can be set from 300 to 19,200. Software provided with these options makes meter setup even easier. Three state, parallel BCD outputs are also available.

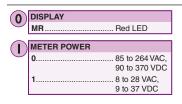
SPECIFICATIONS

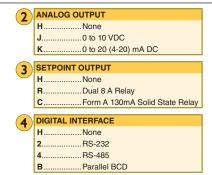
| DISPLAY NOISE REJECTION | | |
|---|--|--|
| | | |
| Type5 Digit, 7-segment, 14.2 mm | CMV from DC to 60HzSafety-rated to 250 VAC | |
| (.56") high digits and 3 LED indicators | CMR from DC to 60Hz130 dB | |
| ColorRed | NMR to 50/60Hz Line 90 dB with minimum filtering | |
| Range99,999 to +99,999 | ENVIRONMENTAL | |
| A TO D CONVERSION | Operating Temperature 0°C to +55°C | |
| TechniqueConcurrent Slope | Storage Temperature40°C to +85°C | |
| Rate60/s at 60Hz operation | Operating Humidity 95% at 40°C, non-condensing | |
| 50/s at 50Hz operation | EXCITATION POWER SUPPLIES | |
| Output Update Rate56/s at 60Hz | Outputs 5 VDC, 5%, 100 mA max. | |
| 47/s at 50Hz | 10 VDC, 5%, 120 mA max. | |
| Display Update Rate3.5/s at 60Hz | 24 VDC, 5%, 50 mA max. | |
| 3.0/s at 50Hz | Isolation (power ground) Safety-rated to 250 VAC | |
| ACCURACY AT 25°C | OPERATING POWER | |
| DC Volts, Amps, Ratio 0.01% FS ±1 Count | Voltage (standard) 85 to 264 VAC, 90 to 370 VDC | |
| Span Tempco0.003% of Reading/°C | Voltage (optional) 8 to 28 VAC, 9 to 37 VDC | |
| Zero Tempco0.1 Counts/°C | Frequency DC and 47 to 440Hz | |

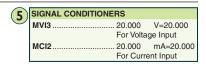
MODEL NUMBER CONFIGURATION



| Basic Configuration |
|---------------------|
| MR0-HHH-MVI3 |









DIMENSIONAL INFORMATION

