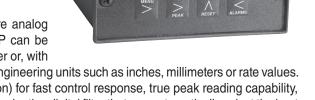


# Micro-P Displays—Total Compatibility With UniMeasure Analog Transducers!

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 programmed to directly display the output voltage or current from the transducer or, with



the input of suitable scale factors, can be programmed to display the output in engineering units such as inches, millimeters or rate values. 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 setpoint 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.

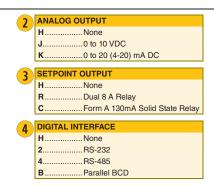
## **SPECIFICATIONS**

DISPLAY		NOISE REJECTION	
Type	5 Digit, 7-segment, 14.2 mm	CMV from DC to 60Hz Safety-rated to 250 VAC	
	(.56") high digits and 3 LED indicators	CMR from DC to 60Hz 130 dB	
Color	Red	NMR to 50/60Hz Line90 dB with minimum filtering	
Range	99,999 to +99,999	ENVIRONMENTAL	
A TO D CONVERSION		Operating Temperature 0°C to +55°C	
Technique	Concurrent Slope	Storage Temperature40°C to +85°C	
Rate	60/s at 60Hz operation	Operating Humidity95% at 40°C, non-condensing	
	50/s at 50Hz operation	EXCITATION POWER SUPPLIES	
Output Update Rate	56/s at 60Hz	Outputs5 VDC, 5%, 100 mA max.	
	47/s at 50Hz	10 VDC, 5%, 120 mA max.	
Display Update Rate	3.5/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	
	0.003% of Reading/°C	Voltage (optional)8 to 28 VAC, 9 to 37 VDC	
Zero Tempco	0.1 Counts/°C	Frequency DC and 47 to 440Hz	

### **MODEL NUMBER CONFIGURATION**

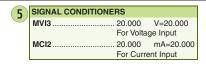


0	DISPLAY		
	MR	Red LED	
(1)	METER POWER		
	0	85 to 264 VAC,	
		90 to 370 VDC	
	1	8 to 28 VAC,	
		9 to 37 VDC	



#### **BASIC CONFIGURATION**

#### MR0-HHH-MVI3





# **DIMENSIONAL INFORMATION**

MICRO - P SERIES

Micro - C Series

