

M430 Transducer Mount Digital Meter

- Bright Red 4-digit LED Display
- Resolution -1,999 to +9,999
- Field scaleable to user's requirements
- Transducer mounted, small size
- Powered by transducer signal
- Up to 2 switch contacts
- Sealed to IP65, NEMA 4X
- Rotatable display and connector



DESCRIPTION

The M430 is a universal plug-on LED display suitable for use on transducers that have a DIN 43650, connector and 4-20mA or 0-10 Vdc output. The plug-on display simply fits between the plug and socket on any DIN 43650 (Form A) connector. The power is supplied from the voltage or current signal of the transducer. The unit is user-programmable from two buttons on the front panel enabling scaling and decimal point position. All are easily configured through the menu and configuration is stored in an EEPROM, ensuring that the programming is not lost in the event of power failure.

The display can be rotated through 300° for use in different installation positions, ensuring flexibility

Ordering Example: M430-D-0-A-EC2

D	0	A	EC2
Input	Switch	Display	Connector
D=4-20Ma F=0-10 VDC	0=No contact 1=One contact 2=Two contact ¹	A=User configured X=Factory set (specify range)	EC2=DIN 43650 with mate ECB=Binder 723 with mate
	¹ Must be used with Binder connector, 4-20mA only		

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Technical Specifications

Analog input signal:		4-20mA (two wire) or 0-10Vdc (three wire)
Supply voltage:	2-wire	< 6 V (voltage drop from current loop)
	3-wire	15-36 Vdc (display wired in parallel with transmitter)
Contacts		0,1 or 2 independent PNP outputs
Contact rating:		125 mA, short-circuit resistant
Repeatability:		<±0.1% FSO
Switching frequency:		Max. 10 Hz
Switching cycles:		>100 x 10 ⁶
Delay time:		0-100 seconds (programmable)
Electrical Protection		
Short circuit protection:		Permanent
Reverse polarity protection:		No damage but also no function
Display		
Type:		4-digit, red LED, 7mm height, width, 4.85mm
Range:		-1999 to +9999
Accuracy:		0.1% ± 1 digit
Update time:		0.3 to 20 seconds (programmable)
Mechanical Stability		
Vibration:		10 g RMS (20-2000 Hz)
Shock:		100 g / 11 ms
Temperature		
Operating:		-23 to +185°F (-25 to +85°C)
Storage:		-40 to +185°F (-40 to +185°C)

