

DM28 - Economical Digital Process and Strain Gauge Panel Meters

- ▶ Easily scaled in any engineering units from -19999 to 99999
- ▶ Large 18mm (.71") high red or green display
- ▶ Front panel MIN, MAX and alarm reset functions
- ▶ High or low alarms
- ▶ Process meters for amplified transducers
- ▶ Strain gauge meters for millivolt transducers

The DM28 meter line is easily programmed to read out in any engineering units (psi, bar, Kg/cm²) and can be retro fitted in the field with plug in boards. Units can be scaled by applying known loads to the sensors or purely by software keystrokes without requiring any electronic instrumentation. Scaling the meter using up to 10 points can compensate for non-linear signals and profiling curved tanks in level applications. The display colour (red or green), latching or non-latching alarms and the optional analog outputs are all programmable. The meter also features a help character that indicates max, min and normal operation, it also gives additional help when programming. The DM28 meter line is available in 5 different models, the specifications below are for the process and strain gauge meter lines only.

Specifications

Accuracy	.01% Process, .03% Strain
Resolution	14 bits
Display	5 digits, red or green LED
Display Height	18mm (.71")
Operating Temp.	0 to 55C (32 to 130F)
Relative Humidity	20% to 95% non-condensing
Span Temp. Coefficient	25 ppm/C
Storage Temp	-20° to 80°C (-4° to 176°F)
Approvals	CE
Display Filter	100ms to 100 seconds programmable
Output #1	5Amp @ 120Vac SPDT & NPN collector 30Vdc @ 100mA max.
Output #2	NPN collector (SPDT relay optional)
Remote Features	Optional Tare or Security lockout
Analog Output	Scalable 4-20mA or 0-10V (8 bit)
Meter Supply	90-264Vac @ 50/60Hz, 4 Watts (optional 20-50Vdc/Vac)
Sensor Supply	24Vdc @ 30mA process meter 5 or 10Vdc @ 60mA strain meter
Physical	
Front Bezel	96mm x 48mm x 10mm
Depth Behind Panel	100mm
Panel Cut-out	1/8 DIN 92mm x 45mm (3.622" x 1.772")
Front Panel Rating	IP65 (Nema 4X)
Terminals	Screw type
Weight	250g (.56lbs)



How To Order

Use the **Bold** characters from the chart below to construct a product code.

<p>Series _____</p> <p>DM28</p> <p>Meter Input (*for additional information contact sales) _____</p> <p>2 DC Process Meter input: 4-20mA, 0-20mA, 10-50mA (24Vdc excitation) 0-5V, 1-5V, 0-10V, 2-10V</p> <p>6 Strain Meter input: 100mV (5 or 10Vdc excitation)</p> <p>1* Temperature input: Thermocouples J, T, K, B, S, R, N & RTD 3 & 4 wire</p> <p>3* AC Volts/Amps input: 1V, 10V, 100V, 600V, 1mA, 10mA, 100mA, 1A</p> <p>5* DC Volts/Amps input: 100mV, 1V, 10V, 100V, 600V, 1mA, 10mA, 100mA, 1A, 2A</p> <p>Relay Output _____</p> <p>0 One SPDT, one NPN</p> <p>1 Two SPDT</p> <p>Analog Output _____</p> <p>0 Standard none</p> <p>3 Programmable analog output</p> <p>External Digital Input _____</p> <p>0 Standard none</p> <p>6 Digital input for tare or security lockout</p> <p>Meter Power Supply _____</p> <p>0 Standard 90-264Vac</p> <p>2 20-50Vac or Vdc</p>	<p>DM28 2 0 0 0 0</p>
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