

Economical Digital Process and Strain Gauge Panel Meters

- ▶ Easily Scaled in any Engineering Units from -19999 to 99999
- ▶ Large 18 mm (.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 color (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 | 18 mm (.71") |
| Operating Temperature | 0° to 55°C (32° to 130°F) |
| Relative Humidity | 20% to 95% non-condensing |
| Span Temp. Coefficient | 25 ppm/C |
| Storage Temperature | -20° to 80°C (-4° to 176°F) |
| Approvals | CE |
| Display Filter | 100 ms to 100 seconds programmable |
| Output #1 | 5 Amp @ 120 Vac SPDT & NPN collector 30 Vdc @ 100 mA max. |
| Output #2 | NPN collector (SPDT relay optional) |
| Remote Features | Optional Tare or Security lockout |
| Analog Output | Scalable 4-20 mA or 0-10 V (8 bit) |
| Meter Supply | 90-264 Vac @ 50/60 Hz, 4 Watts (optional 20-50 Vdc/Vac) |
| Sensor Supply | 24 Vdc @ 30 mA process meter 5 or 10 Vdc @ 60 mA strain meter |
| Physical | |
| Front Bezel | 96 mm x 48 mm x 10 mm |
| Depth Behind Panel | 100 mm |
| Panel Cut-out | 1/8 DIN 92 mm x 45mm (3.622" x 1.772") |
| Front Panel Rating | IP65 (Nema 4X) |
| Terminals | Screw type |
| Weight | 250 g (.56 lbs) |

How To Order

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

| | | | | | | |
|---|-------------|----------|----------|----------|----------|----------|
| SELECT: | DM28 | 2 | 0 | 0 | 0 | 0 |
| 1. Meter Input (*for additional information contact sales) | | | | | | |
| 2 DC Process Meter input: 4-20mA, 0-20mA, 10-50mA (24 Vdc excitation) 0-5V, 1-5V, 0-10V, 2-10V | | | | | | |
| 6 Strain Meter input: 100mV (5 or 10 Vdc excitation) | | | | | | |
| 2. Relay Output | | | | | | |
| 0 One SPDT, one NPN 1 Two SPDT | | | | | | |
| 3. Analog Output | | | | | | |
| 0 Standard none 3 Programmable analog output | | | | | | |
| 4. External Digital Input | | | | | | |
| 0 Standard none 6 Digital input for tare or security lockout | | | | | | |
| 5. Meter Power Supply | | | | | | |
| 0 Standard 90-264 Vac 2 20-50 Vac or Vdc | | | | | | |