

Low Cost Bargraph Meter

For V/mADC Input And/Or RS-232C/485, Remote Displays

MODEL
PM

PM1

8 DIGITS
7 SEGMENTS



PM3 Horizontal Version
(Center Zero Available)

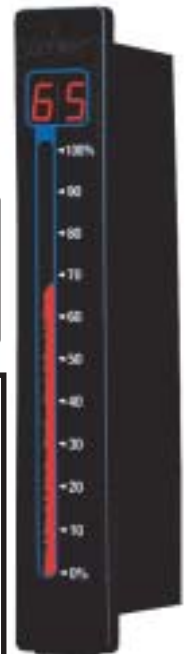


PM2



2 DIGITS &
51 SEGMENTS

PM3



2 DIGITS &
101 SEGMENTS

DESCRIPTION:

Precision Instruments' new **PM** series of Low Cost Bargraph meters complement the extensive and proven instrumentation line of **Intelligent Programmable Controllers**. We have applied our expertise to bring you the industry's first low cost bargraph.

The PM1 offers eight (8) digits, seven-segment 0.6" display with limited alpha characters and 0-9 numerals plus decimal points.

The PM2 has 51 segments (2% resolution & 2 digits(1%).

The PM3 gives you 1% resolution with its 101 segment high intensity bargraph & 2 digit displays.

Whichever you choose for your application, you can depend on its quality and Precision Instruments 2 year warranty.

FEATURES:

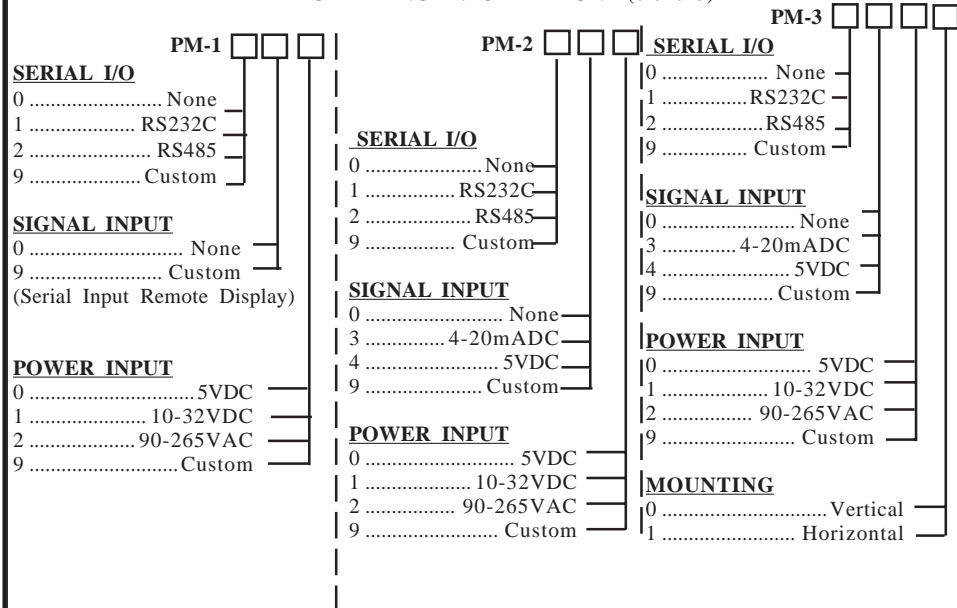
- RS-232C or RS-485 I/O
- ASCII Characters
- Stackable in 1 Inch Centers
- Vertical or Horizontal Viewing
- Zero & Span Front Panel Controls
- Only 2" Deep NEMA4 Housing 6x1x2"
- 5VDC, Isolated 10-32VDC or 90-265VAC Power Input
- Standard Unicolor Red or Custom Multicolor (Red, Green, Yellow)
- Free Custom Software for Minimum Purchases
- Compatible with Any RS-232/422/485 ASCII System
- Polycarbonate Overlay

APPLICATIONS:

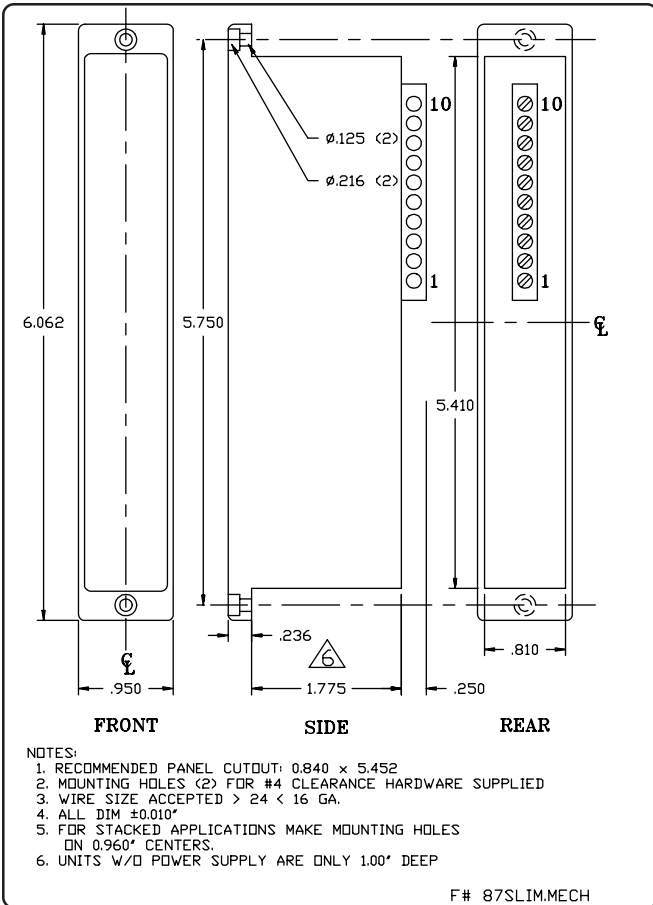
 (See Note 2)

- Remote Display for RS-232/485
- Process Meter (4-20mA/0-5VDC)
- Trend Indicator
- Inclinator Indicator
- Well Depth
- Distance
- Position
- Altitude
- Temperature
- Pressure
- Flow
- Humidity
- pH
- RPM
- Strokes Per Hour/Per Minute

ORDERING INFORMATION (04/2013)



MECHANICAL INFORMATION



TYPICAL CONNECTIONS (All Models)

- Notes:**
1. Refer to your specific model# before making connections
 2. Always apply power before signal
 3. 5VDC ±5% (0.25V) at connector
 4. Notice terminal orientation before connecting

| Terminal # | Description | Notes |
|------------|-------------------------------|---|
| 10 | Dig. Gnd. | RS-232C & Digital Signal Ground |
| 9 | Int 0 | Do Not Connect Reserved for Custom |
| 8 | T 0 | Default Control |
| 7 | RXD/DO | Receive Data (RS-232C/485) |
| 6 | TXD/DO | Transmit Data (RS-232C/485) |
| 5 | Hi Pulse In | +Digital Signal Input or Contact |
| 4 | +Signal In | +Analog Signal Input |
| 3 | -Signal In or Low Pulse In | Internal Instrument Ground for Analog Inputs |
| 2 | +Power In | +For VDC or AC High Input |
| 1 | -Power In | Gnd. for VDC or AC Low Power In |

SPECIFICATIONS

| PARAMETER | PM-1 | PM-2 | PM-3 |
|--------------------------|---------------------|--------------------|---------------------|
| # Segments | None | 51 | 101 |
| # Digits | Eight (8) | Two (2) | Two (2) |
| Analog Input Accuracy | | ±1% | ±0.1% |
| Analog Input Resolution | | 1% (1 in 100) | ±1% (1 in 100) |
| Polarity | | Unipolar | Unipolar |
| Zero & Span | | Yes | Yes |
| Input Impedance mA/VDC | | 200Ω/100KΩ | 200Ω/100KΩ |
| Serial I/O | RS-232C/RS485 | RS-232C/RS485 | RS-232C/RS485 |
| Characters | ASCII | ASCII | ASCII |
| Baud Rate | 9600 Std. | 9600 Std. | 9600 Std. |
| Address Selection | Via Serial Port | Via Serial Port | Via Serial Port |
| Power Req't @5VDC | 2 W | 1 W | 2 W |
| Power Input Non-isolated | 5VDC±5% | 5VDC±5% | 5VDC±5% |
| Power Input Isolated | 10-32VDC (or 24VAC) | 10-32VDC(or 24VAC) | 10-32VDC (or 24VAC) |
| Power Input Isolated | 90-265VAC | 90-265VAC | 90-265VAC |
| Operating Temperature | 0-60°C | 0-60°C | 0-60°C |
| Storage Temperature | -20 to 70°C | -20 to 70°C | -20 to 70°C |
| Humidity | 5-95% N.C. | 5-95% N.C. | 5-95% N.C. |
| MTBF (Calculated) | 100,000Hrs | 100,000Hrs | 100,000Hrs |
| Front Panel | NEMA 4 | NEMA 4 | NEMA 4 |
| Weight | 3 oz. (84g.) | 3 oz. (84g.) | 3 oz. (84g.) |

* Specifications Subject to Change Without Notice! Contact Precision Instrument Company for Your Custom Needs!!

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