

# Low Cost Bargraph Meter

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

**MODEL  
HI-QSLIM**

**HI-QSLIM1**

8 DIGITS  
7 SEGMENTS



**HI-QSLIM3 Horizontal Version  
(Center Zero Available)**



**HI-QSLIM2**



2 DIGITS &  
51 SEGMENTS

**DESCRIPTION:**

Precision Instruments new **HI-QSLIM** series of Low Cost Bargraph meters complement the extensive and proven HI-Q line of **Intelligent Programmable Controllers**. We have applied our expertise to bring you the industry's first low cost bargraph, without sacrificing the quality and reputation of our HI-Q line.

**The HI-QSLIM1** offers eight (8) digits, seven-segment 0.6" display with limited alpha characters and 0-9 numerals plus decimal points.

**The HI-QSLIM2** has 51 segments (2% resolution & 2 digits(1%)).

**The HI-QSLIM3** 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.

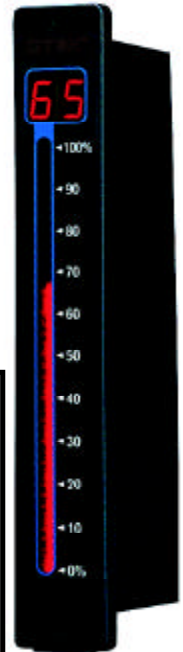
**FEATURES:**

- 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 (R,G,Y)
- Free Custom Software for Minimum Purchases
- Compatible with Any RS-232/422/485 ASCII System
- Polycarbonate Overlay

**APPLICATIONS:** (See Note 2)

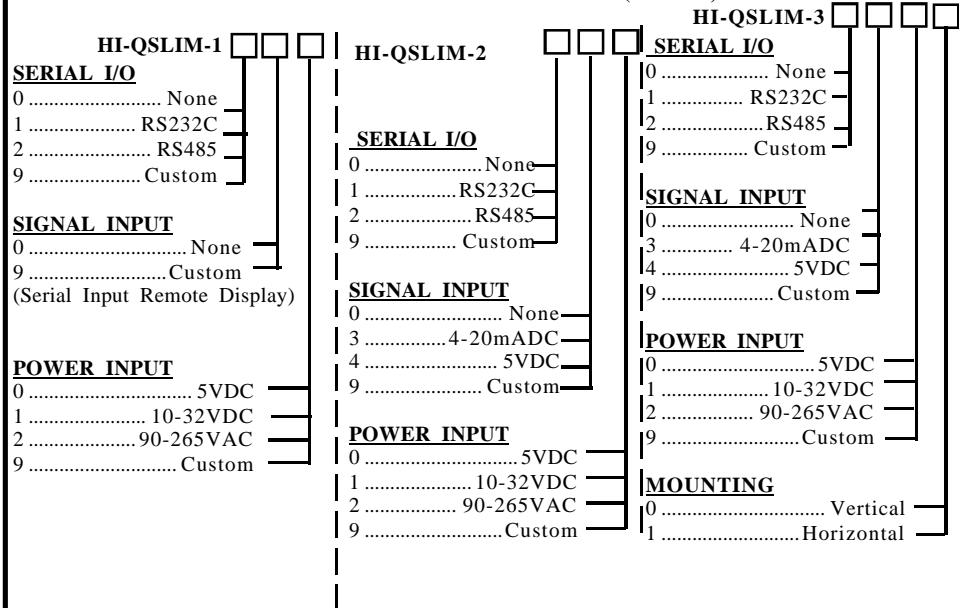
- Remote Display for RS-232/485
- Process Meter (4-20mA/0-5VDC)
- Trend Indicator
- Counter
- Timer
- Inclinometer Indicator
- Well Depth
- Distance
- Position
- Altitude
- Temperature
- Pressure
- Flow
- Humidity
- pH
- RPM
- Strokes Per Hour/Per Minute

**HI-QSLIM3**

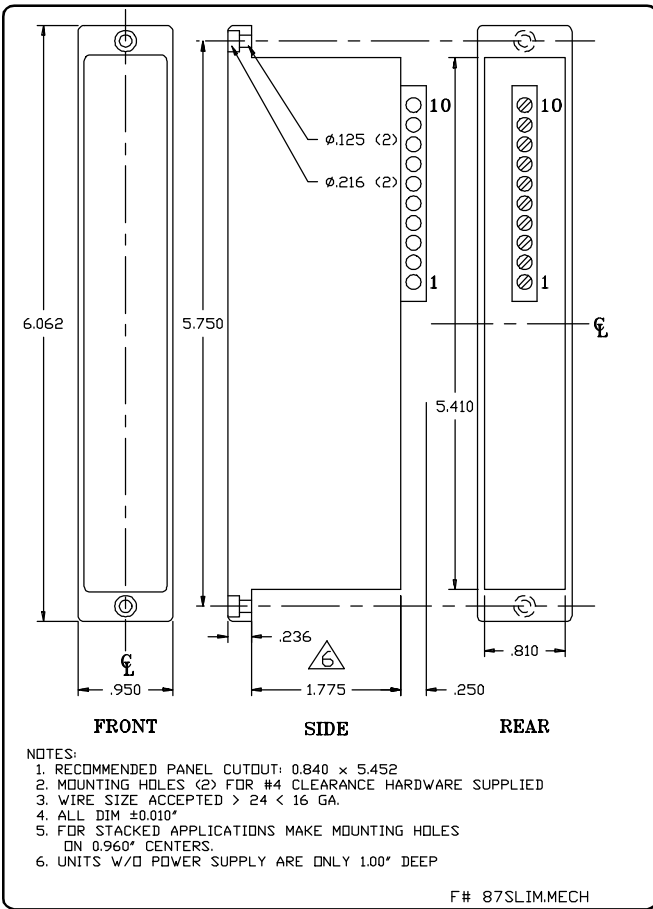


2 DIGITS &  
101 SEGMENTS

**ORDERING INFORMATION (10/17/02)**



**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	HI-QSLIM-1	HI-QSLIM-2	HI-QSLIM-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		200? /100K?	200? /100K?
Digital Input		TTL/CMOS	TTL/CMOS
Multilevel Inputs		Dry Contact to 250V	Dry Contact to 250V
Frequency Response TTL		10K Hz	10KHz
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	90-265 VAC	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!!

E-MAIL:sales@PrecisionInstrument.com  
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