

Low Cost Smart Bargraph-Digital Meters

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

**MODEL
HI-QSLIM**

HI-QSLIM1

8 DIGITS
7 SEGMENTS



HI-QSLIM3 Horizontal Version
(Center Zero Available)



Zero & Span Adjustments Behind Overlay Not Shown

DESCRIPTION:

O TEK's new **HI-QSLIM** series of Low Cost Smart Indicators 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 display.

Whichever you choose for your application, you can depend on its quality and OTEK's limited lifetime warranty.

HI-QSLIM2



2 DIGITS &
51 SEGMENTS

60% of ACTUAL SIZE

FEATURES:

- RS-232C or RS-485 I/O or USB I/O
- ASCII Characters
- Stackable on 1 Inch Centers
- Vertical or Horizontal Viewing (Slim 3)
- Zero & Span Front Panel Controls
- Only 2" Deep NEMA3 Housing
- 6x1x2" (NEMA4X on Request)
- Max power @5VDC: 1 watt, Universal Power Input
- Standard Unicolor Red or Custom Multicolor (R,G,Y)
- Free Custom Software for Minimum Purchases
- Compatible with Any RS-232/422/485 /USBASCII System
- Lifetime Warranty (LTD.)

HI-QSLIM3



60% of ACTUAL SIZE
2 DIGITS &
101 SEGMENTS

APPLICATIONS:

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

HI-QSLIM2



**IF YOU DON'T
SEE IT,
ASK FOR IT!**



520-748-7900
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http://www.otekcorp.com

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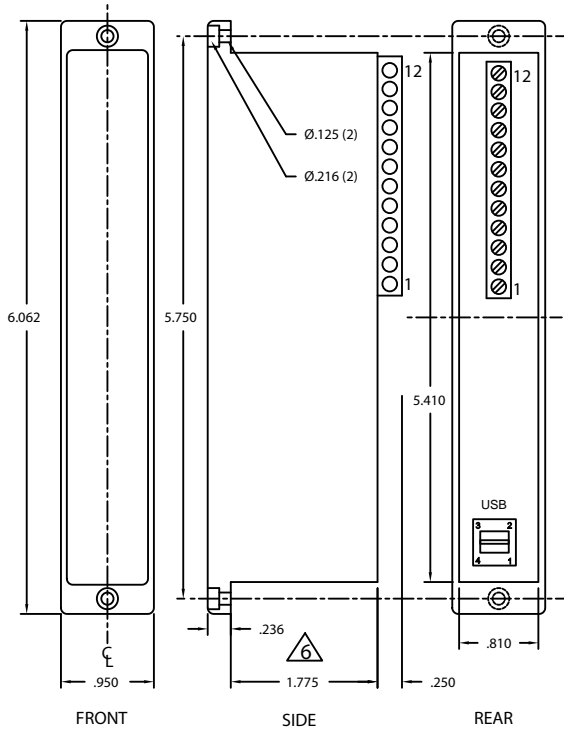
SINCE 1974

4016 E. TENNESSEE ST.
TUCSON, AZ. 85714 U.S.A.

MADE
IN
USA



MECHANICAL INFORMATION



- NOTES:
1. RECOMMENDED PANEL CUTOUT: 0.840 x 5.452
 2. MOUNTING HOLES (2) FOR #4 CLEARANCE HARDWARE SUPPLIED
 3. WIRE SIZE ACCEPTED > 24 < 16 GA.
 4. ALL DIM ±0.010"
 5. FOR STACKED APPLICATIONS MAKE MOUNTING HOLES ON 0.960" CENTERS.
 6. UNITS W/O POWER SUPPLY ARE ONLY 1.00" DEEP

F# 87SLIMME

TYPICAL CONNECTIONS (All Models)

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

Terminal #	Description	Notes
12	Spare	N.C.
11	Spare	N.C.
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
USB		TYPE B
1	VBUS	1 Watt Max
2	D+	+Data Input
3	D-	-Data Input
4	GND.	Power Ground

Note: As of 6-12, the SLIM has optional USB serial I/O and connector has 12 terminals (#11 and #12 spares) with 3.5mm pitch for 26-18GA. wire instead of 5mm pitch. All else is the same.

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	(On Request)	±1%	±0.1%
Analog Input Resolution	(On Request)	1% (1 in 100)	±1% (1 in 100)
Polarity	(On Request)	Unipolar	Unipolar
Zero & Span	(On Request)	Yes	Yes
Input Impedance mA/VDC	(On Request)	200Ω/100KΩ	200Ω/100KΩ
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	2W	2W	2W
Power Input Non-isolated	5VDC±5% /7-32VDC	VDC±5%/7-32VDC	5VDC±5%/7-32VDC
Power Input Isolated	5-32VDC	5-32VDC	5-32VDC
Power Input Isolated	90-265 VAC	90-265 VAC	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 3	NEMA 3	NEMA 3
Weight	3 oz. (84g.)	3 oz. (84g.)	3 oz. (84g.)

**NEMA 4X On Request (Use #9 on Digit 4 & Specify NEMA4X)

* Specifications Subject to Change Without Notice! Contact OTEK for Your Custom Needs!!

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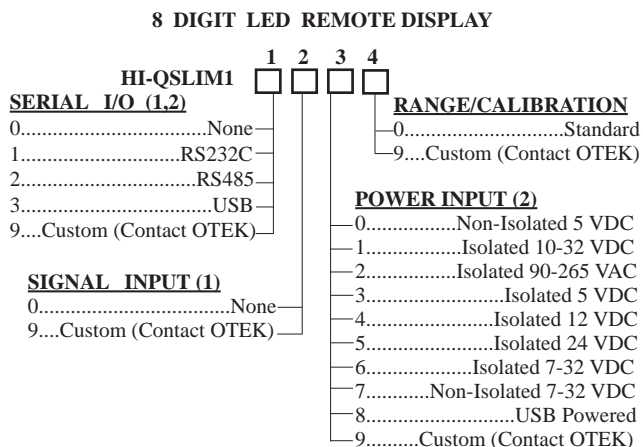
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ORDERING INFORMATION (2-28-13)

Please READ BEFORE building part number:

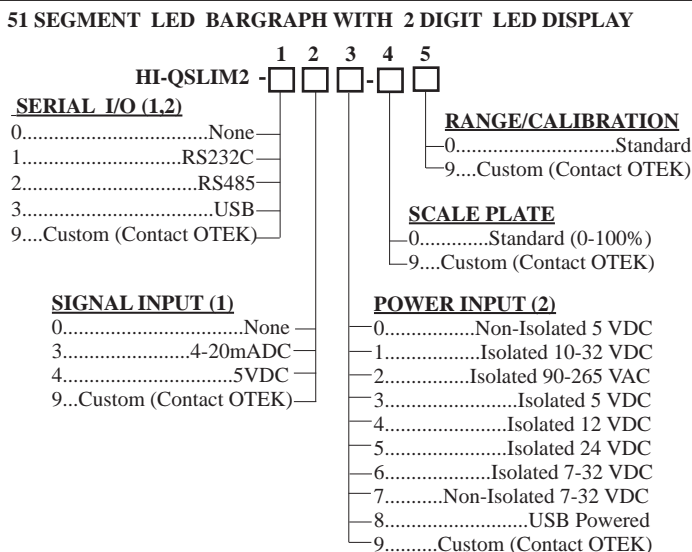
1. If Digit 1 is option 0, Digit 2 cannot be option 0.
2. If Digit 3 is option 8, Digit 1 must be option 3 (but not conversely).



**MODEL
HIQ-SLIM1**

Please READ BEFORE building part number:

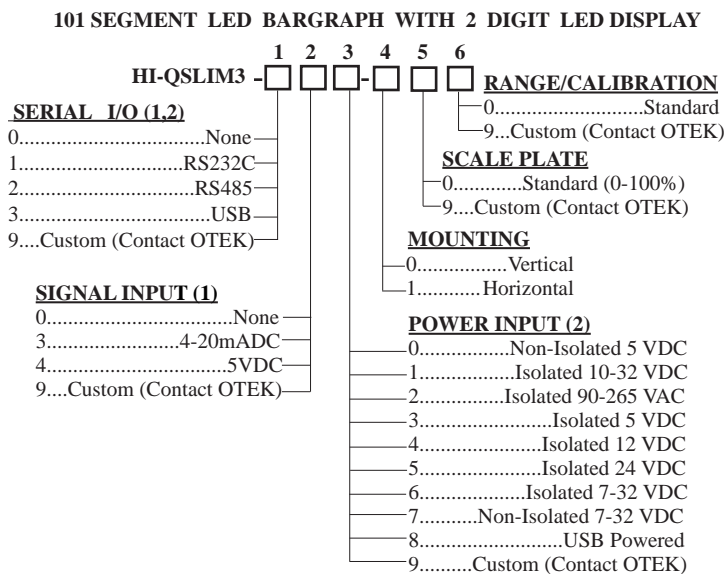
1. If Digit 1 is option 0, Digit 2 cannot be option 0.
2. If Digit 3 is option 8, Digit 1 must be option 3 (but not conversely).



**MODEL
HIQ-SLIM2**

Please READ BEFORE building part number:

1. If Digit 1 is option 0, Digit 2 cannot be option 0.
2. If Digit 3 is option 8, Digit 1 must be option 3 (but not conversely).



**MODEL
HIQ-SLIM3**

DOWNLOADS: For manuals, user-software or drivers:
www.otekcorp.com

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