

NEW

LOOP POWERED LED BARGRAPH (and Powered) FOR LOW COST HIGH RELIABILITY APPLICATIONS

**MODEL
LPB**

FEATURES:

- Only 4.5V Burden
- 50 or 51 Unicolor Segments
- 1, 3, 5 Pointers or Full Bar
- Custom Color/Ranges/Scales
- Only 2 Wires To Connect
- Switchboard Case Also Mounts On 1/4 DIN Cut-Out
- Wide Zero and Span Adjust
- Only 1" On Front Panel (Option 1)
- Only 1" Wide (Option 0)
- Lifetime Warranty

Switchboard
Option 1



51 Segments



Edgewise
Option 0

50 Segments

SPECIFICATIONS @ 25°C

- Accuracy & Linearity: 2% of F.S
- Burden: 4.5VDC (7V for "S")
- Min-Max. Input: 3.6 - 26mA
- VDC Power: 200mW
- Color: Red Standard
- Zero and Span Range: ± 30%
- Operating Temp: -20 + 70°C
- Storage Temp: -30 + 80°C
- Humidity: 5-95% RH, N.C.
- Front Panel: NEMA 3X Rated
- NEMA 4x On Request
- Warranty: Lifetime (LTD)

DESCRIPTION

Another "World's First" joins **OOTEK's** long list of Powerless (Patented) Loop Powered Instruments. Beginning in 1974 with its legendary model **521** the World's First Loop Powered Digital Panel meter, **OOTEK** offers you 10+ Loop Powered Instruments ranging from simple digital panel meters to sophisticated LCD and LED bargraph-digital instruments with serial communications, automatic tricolor backlight and alarms. All Loop Powered! Just 2 wires to connect! **Burden Too High For Your Loop?** Then order the externally powered versions with only 200mW @ 5VDC and 10 Ohms) burden.

The **LPB-0** has 50 segments, the **LPB-1** has 51 bright high efficiency segments for 2% resolution and can be set for "Pointer" (1, 3 or 5) as well as full bargraph operation. The unit's low 4.5V burden in the loop allows for multiple units strung along the factory floor with only 2 wires and **NO** power supply to connect. 4-20mA input is standard, 10-50mA on request. The **LPB-0** uses the same case as our popular **HI-QSLIM** Series.

Zero & Span adjustments are on the rear.

Custom colored bargraphs on request, contact OOTEK.

ORDERING INFORMATION 3-11-10

**MODEL
LPB**

MODEL: LPB - 1 2 3 4 5

CASE (3)

- 0 Edgewise
- 1 Switchboard

SCALE PLATE

- 0 Standard (0-100%)
- 9 Custom

GRADE(1)

- I Industrial
- S Intrinsically Safe
- 9 Custom

INPUT SIGNAL&POWER(2)

- 0 4-20mA&Loop Powered
- 1 4-20mA & Isol..10-24VDC
- 2 4-20mA & Isol..100-240VAC
- 3 1VDC & Isol..10-24VDC
- 4 1VDC & Isol..100-240VAC
- 5 1VDC&Non-Isolated.....5VDC
- 6 1VDC&Isolated.....5VDC
- 7 1VDC&Isolated.....12VDC
- 8 1VDC&Isolated.....24VDC
- 9 Custom

RANGE/CALIBRATION

- 0 Standard
- 9 Custom

NOTES:

1. Intrinsically Safe (I.S.) by design, no certificate available until further notice.
2. VDC Powered Signal Input Impedance: 4-20mA: 50 Ohms, 100mV: 10 Meg. All inputs are unipolar positive only.

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



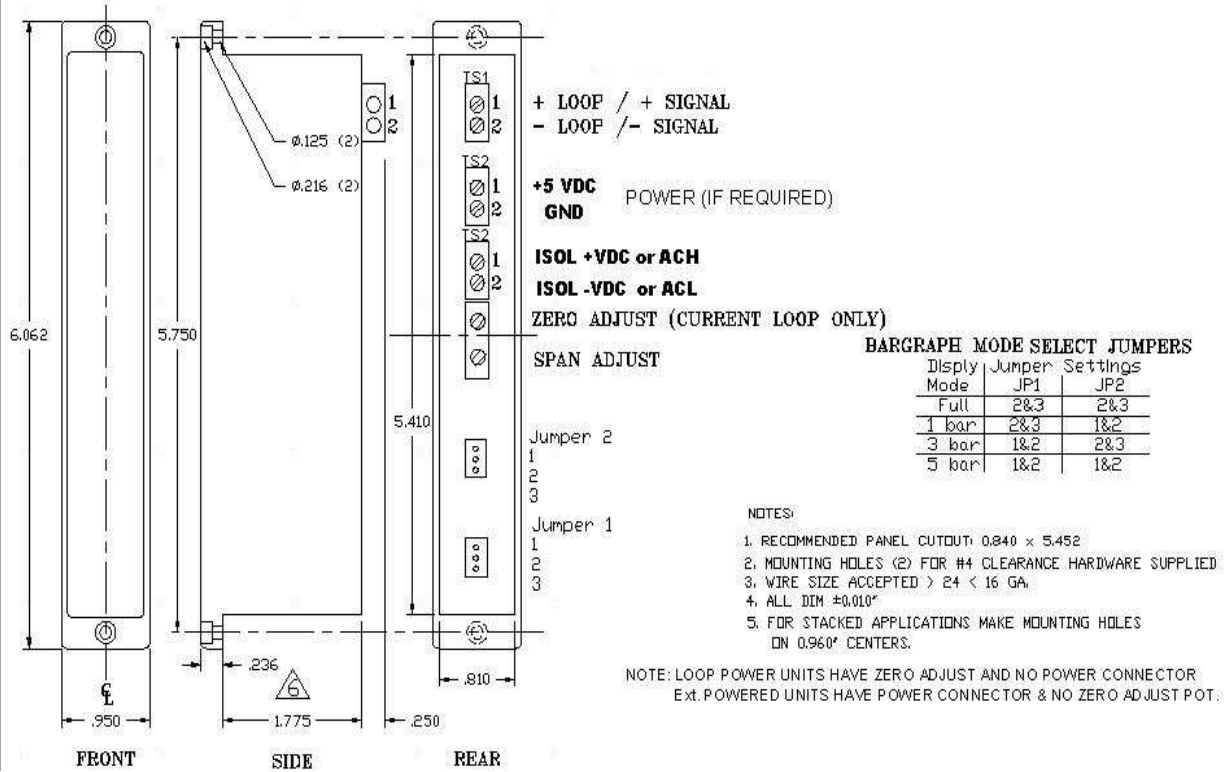
Nuclear & Mil-Spec on Request

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OOTEK™
CORP.
 SINCE 1974

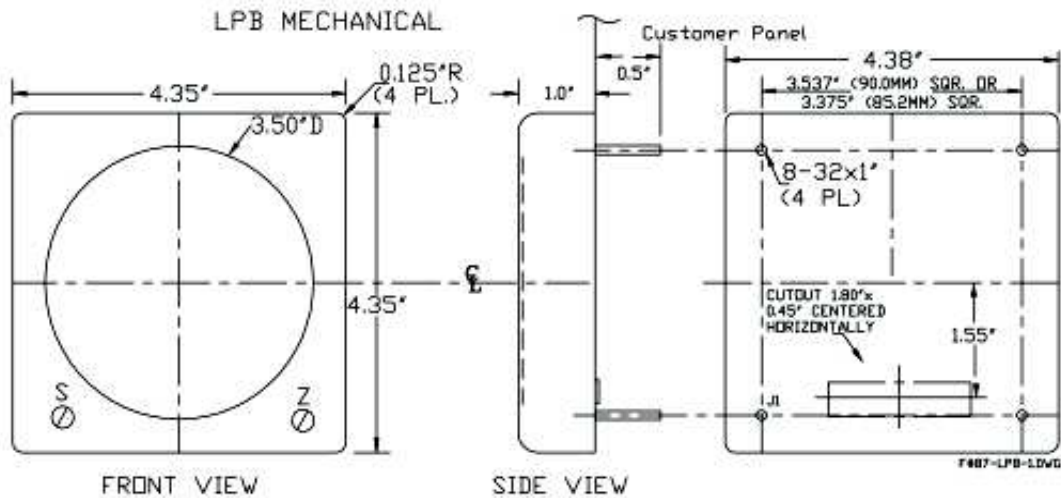
4016 E. TENNESSEE ST.
 TUCSON, AZ. 85714 U.S.A.
 MADE IN USA

MECHANICAL INFORMATION PRELIMINARY



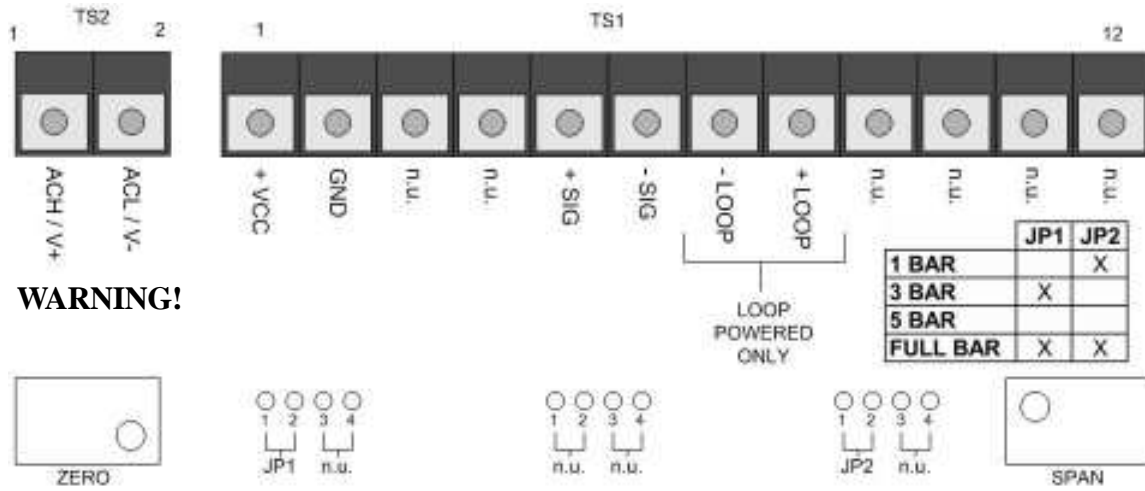
LPB MECHANICAL

Switchboard (Option 1)



NOTE:
 1. ANSI 4"(3.375") CASE CAN ALSO BE MOUNTED IN 1/4 DIN PANEL CUTOUT.
 2. CONNECTORS AND 3.375" STUDS SPACING MEET ANSI39.1 STANDARD FOR SWITCHBOARD METERS. J1 FALLS WITHIN EXISTING 'BARREL' CUTOUT.

CONNECTION DIAGRAM



WARNING!

WARNING: VERIFY POWER INPUT BEFORE CONNECTING TS2, SEE LABEL AND ORDERING INFORMATION ON FRONT PAGE.

NOTES:

1. For loop powered units only use terminals 7 & 8, others on terminals 5 & 6.