

NEW

POWERLESS™ Big Display, Small Package Loop Powered LED & LCD Miniature Panel Meter (PATENTS # 7,477,080; 6,285,094 & PENDING)

**MODEL
LPS-Y**

FEATURES:

- 4 1/2 LCD or LED Display
- Zero & Span Adjustments (Rear)
- D.P., Hold and Peak & Hold
- Low Cost
- Lifetime Warranty!

DESCRIPTION

O TEK's **LPS-Y** brings you over 30 years of expertise in Loop Powered Meters (we invented it) and its known reliability backed by OTEK's exclusive **Lifetime Warranty!**

You can mount the **LPS-Y** on a panel, P.C.B. or your own housing. The 12 turn potentiometers for Zero and Span give you smooth and wide range calibration. The integral red backlight is also loop driven and the LPS-Y can be ordered with many options. There is no other more flexible **Digital Panel Meter** in the market.

Option 0: LCD



Option 1: LED



Note: LED version has over-range and negative LEDs on extreme left.

SPECIFICATIONS:

- Burden: 4.5V Max.
- Min.-Max. Input Current: 3-36mA
- Accuracy & Linearity: +/- .01% of F.S. + 1 Digit
- Zero & Span Adj.: 3000 Counts
- Standard Calibration: 4-20 = 0-10,000
- Operating Temp: -10 + 50 Degrees C
- Storage Temp: -20 + 70 Degrees C
- CMT BF.....>100 K Hours

Effective 12-14-11

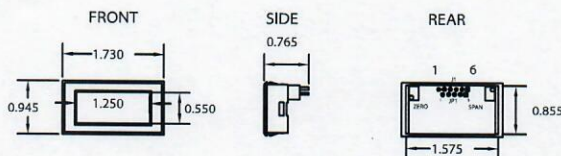
Model: LPS-Y

DISPLAY/CALIBRATION

- \$59.00...0.....LCD(0-10,000 Counts)
- \$59.00...1.....LED (0-10,000)
- C.F.....9.....CUSTOM

Powered Model: LPL

**CONNECTIONS & MECHANICALS
FOR LCD (OPTION 0)**

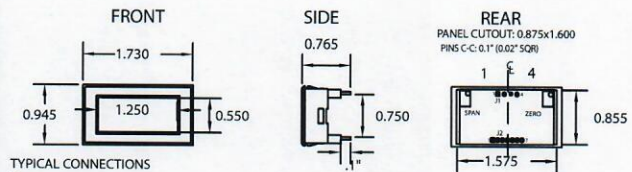


- J1
1. PEAK (active high)
 2. HOLD (active high)
 3. - SIG
 4. + SIG
 5. GND/-L
 6. +5V/+L
- Note: For active high signals, connect to JP1-1 to activate

- Decimal Point selector (JP1)
- XXXX connect JP1-4 to JP1-5
 - XXXX.X connect JP1-4 to JP1-1 and connect JP1-2 & JP1-3 to JP1-5
 - XXX.XX connect JP1-3 to JP1-5 and connect JP1-4 & JP1-2 to JP1-1
 - XX.XXX connect JP1-2 to JP1-5 and connect JP1-4 & JP1-3 to JP1-1
 - X.XXXX connect JP1-2 & JP1-3 & JP1-4 to JP1-1

**Panel Cutout
0.875" x 1.600"**

**CONNECTIONS & MECHANICALS
FOR LED (OPTION 1)**



TYPICAL CONNECTIONS

- J1
1. +LOOP INPUT
 2. -LOOP INPUT
 3. N.C.
 4. N.C.
- J2 D.P. & PEAK & HOLD
1. AN. GND
 2. D.P.1
 3. D.P.2
 4. AN. GND
 5. PEAK CONN. TO #6 FOR PEAK
 6. VDOUT
 7. HOLD CONN. TO #6 FOR HOLD

- Decimal Point selector
- XXXX LEAVE DP1 & DP2 FLOATING
 - XXX.X CONNECT DP1 & DP2 TO AN. GND (J2-1, J2-4)
 - XX.XX CONNECT DP2 TO AN. GND (J2-4)
 - X.XXX CONNECT DP1 TO AN. GND (J2-1)

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