

NEW

LOOP POWERED (and External Powered) LCD MINIATURE DIGITAL PANEL METER FOR OEMs

MODEL
LPL

FEATURES:

- Loop or VDC Signal Powered
- Panel or P.C. Mount
- 4 1/2 Digits LCD Backlit
- Zero & Span Adj.
- D.P. Peak and Hold
- Replaces OTEK's GL151 & Brighton's with New ASIC
- Low Cost
- Intrinsically Safe by Design
- Lifetime Warranty



APPLICATIONS:

- Loop Monitors
- Power Supplies
- Battery Charges
- Portable Meters

OTHER SPECIFICATIONS

- Display: LCD, 4 1/2 Digits 0.5", 6 O'Clock Viewing Angle
- Input Type: Differential & Single Ended. 10M For VDC
- Common Mode R.R.: 100dB @ 50/60 Hz
- Conversion Rate: 2 1/2/Second
- Step Response: 0.8 Sec. (0-90% of F.S)
- Common Mode Voltage: ± 2 VDC
- Op./Storage Temp: -10 + 60/ -20 + 70°C
- MTBF: >100,000 Hours
- RH: 5-95% RH Non-Condensing
- Temperature Coefficient: 50PPM/°C

DESCRIPTION

OTEK's **LPL** 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 **LPL** 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. You can select from current or voltage signal power or 5VDC power, backlight red or green, positive or negative image and mounting (P.C.B. or Panel) There is no other more flexible **Digital Panel Meter** in the market.

SPECIFICATIONS

Loop Powered Models:

- Burden: 4.5V Max. With Red Backlight, 5V With Green
- Max. Input Current: 36mA, Max. Volts: 30V
- Min. Input Current: 3mA
- Accuracy & Linearity: $\pm 0.01\%$ of F.S. ± 1 Digit
- Span Adjustment: ± 3000 Counts of F.S. (10,000)
- Zero Adjustment: ± 3000 Counts of Zero (00000)
- Standard Calibration: 4-20 = 0-10000, Others On Request

Powered Models:

- Loop Burden: 0.1V @ 20mA; (5 Ohms)
- Current Requirement @ 5V: 1mA + Backlight (15mA)

Voltage Signal Powered Models:

- 3-60VDC
- Current Required: 1mA No Backlite, 15mA with Backlite
- Over Voltage: 150% 1 Sec

ORDERING INFORMATION 6-25-09

Model: LPL -	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
INPUT SIGNAL (1)	0	1	2	3	4
0	..... 4-20mA				
1	..... 3-6VDC Signal Power				
2	..... 5-30VDC Signal Power				
3	..... 24-60VDC Signal Power				
4 ± 200 mV External Power				
5 ± 2 V External Power				
6 ± 20 V External Power				
7 ± 200 V External Power				
9	..... Custom				
POWER INPUT (2)	0	1	2	3	4
0	..... Loop Power				
1	..... VDC Signal Powered				
2	..... 5V Power				
9	..... Custom				
BACKLITE AND IMAGE (3)	0	1	2	3	4
0	..... Red & Positive				
1	..... Red & Negative				
2	..... Green & Positive				
3	..... Green & Negative				
4	..... No Backlight				
9	..... Custom				
MOUNTING	0	1	2	3	4
0	..... Panel				
1	..... PCB				
9	..... Custom				
RANGE/CALIBRATION	0	1	2	3	4
0	..... Standard				
9	..... Custom				

NOTES:

1. Option 0 , Use for Option 0 on 2nd digit (ie LPL-00)
2. Option 1 on 2nd digit, Use with Option 1, 2 or 3 on 1st digit (ie LPL- 21xxx) 5V Power non-isolated from signal
3. Positive = Dark Digits, Negative = Lighted digits

If You don't See It
Ask for It!



520-748-7900

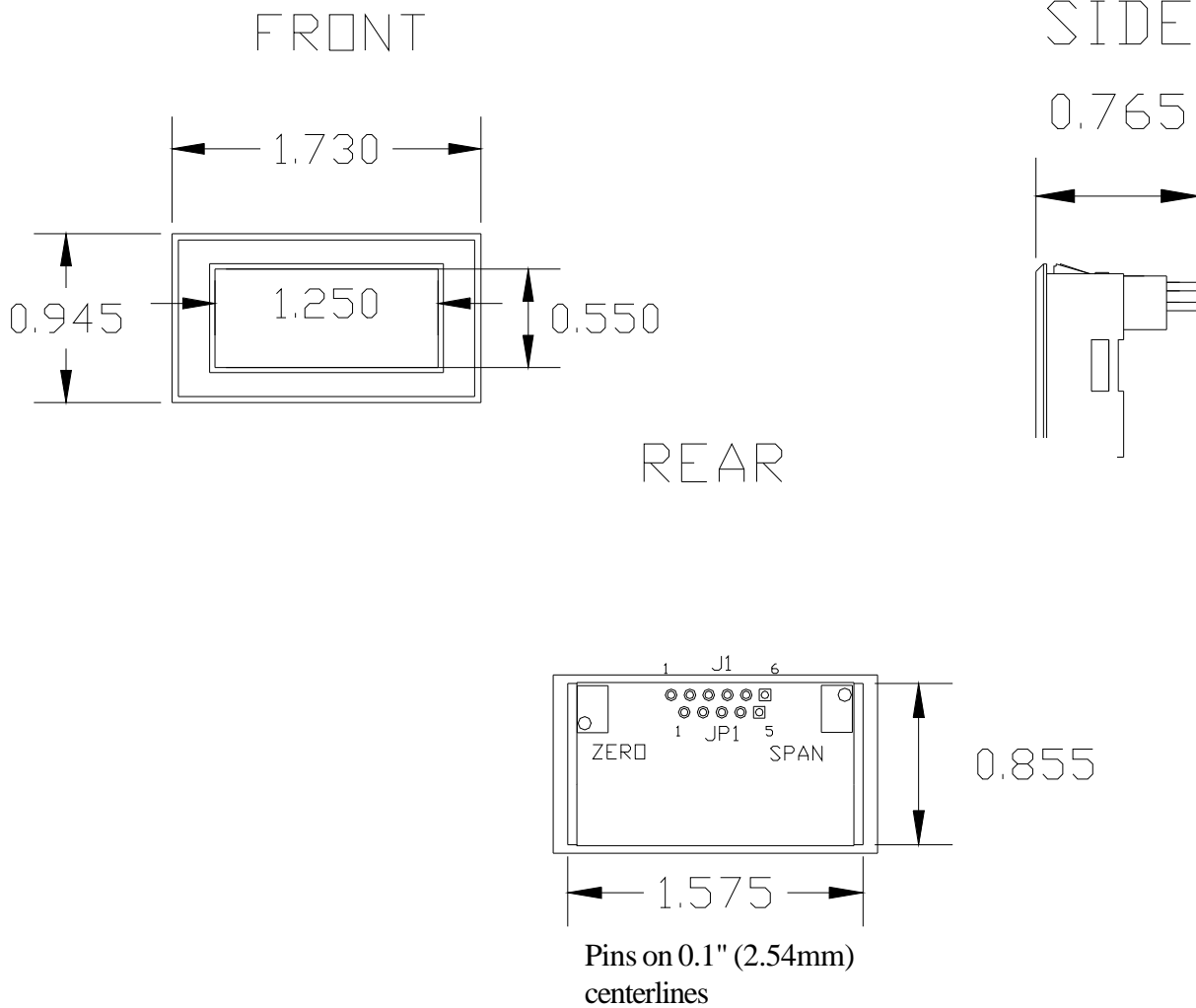
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IN
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J1
 1. PEAK (active high)
 2. HOLD (active high)
 3. - SIG
 4. + SIG
 5. GND/-L
 6. +5V/+L
 Note: For active high signals, connect to JP1-1 to activate

Decimal Point selector (JP1)
 XXXXX 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

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