

**LOOP POWERED (and EXTERNAL POWERED)
LED MINIATURE DIGITAL PANEL METER FOR OEMs**

**MODEL
LPL**



LED GREEN
(Custom Color Option)



LED RED

FEATURES:

- Loop or VDC Signal Powered
- Panel or P.C. Mount
- 4 Digit .3" LED
- Wide Zero & Span Adjustment
- D.P., Select, Peak and Hold
- Replaces OTEK's GL151 & Brighton's with New **ASIC**
- Low Cost
- Intrinsically Safe by Design
- Lifetime Warranty

OTHER SPECIFICATIONS

- Display: LED: 4 Digit, 0.3" Red
- 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 40 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 loop or voltage signal power or 5-24VDC power, red or green LED, 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
- 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 or 0-1000.
Others On Request

Voltage Signal Powered Models:

- 3-26VDC
- Current Required: 30mA with LED
- Over Voltage: 150% 1 Sec

APPLICATIONS:

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

If You don't See It
Ask for It!



520-748-7900

FAX: 520-790-2808
E-MAIL: sales@otekcorp.com
http://www.otekcorp.com

OTEK™
CORP.
SINCE 1974

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

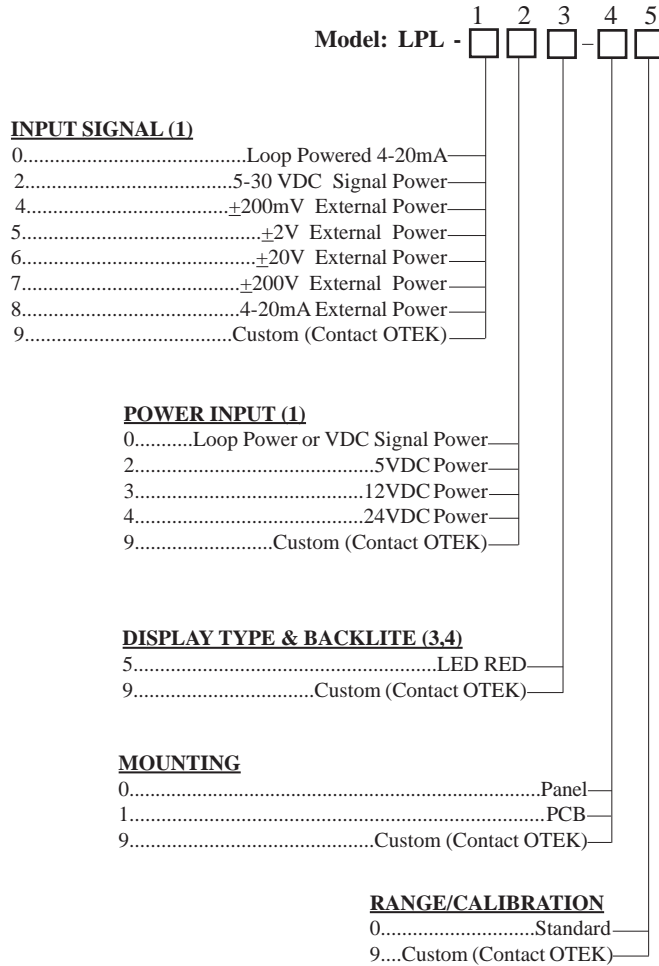
MADE
IN
USA



LPL ORDERING INFORMATION 9-9-14

NOTE: Please READ BEFORE building part number:

1. If digit 1 is option 0 or 2, then digit 2 must be option 0.
2. See notes below.

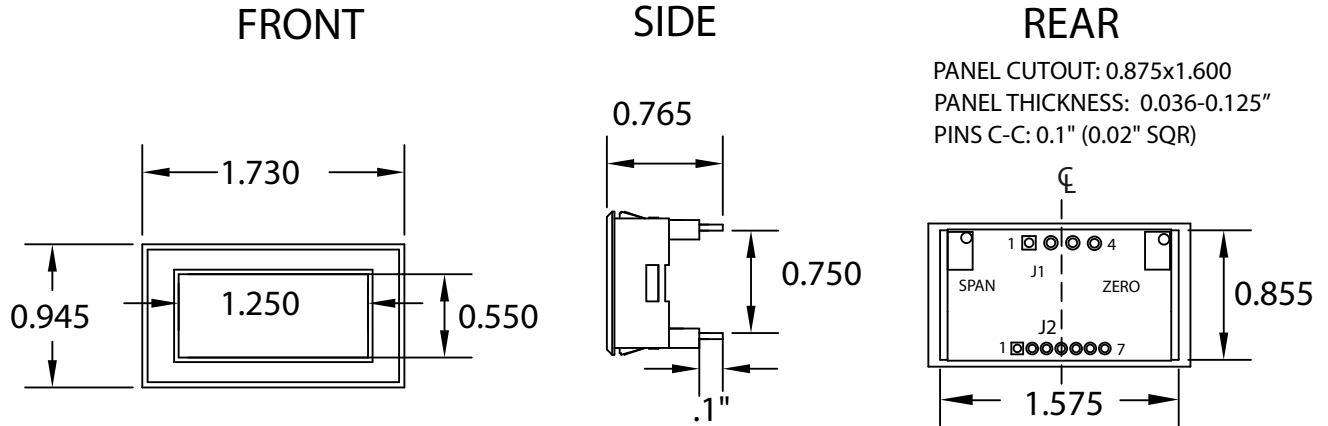


NOTES (Continued):

3. LED: -9.9.9.9 to +9.9.9.9, with overrange LED above MSD and "-" sign below MSD.
4. Power Consumption: Options 0 & 2: <20mA; Option 4: <2mA; Option 5: < 30mA.

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

LPL TYPICAL CONNECTIONS



<p>TYPICAL CONNECTIONS SIGNAL POWERED (Power Input, Digit 2 Option 0)</p> <p>J1 1. +LOOP INPUT/+SIGNAL 2. -LOOP INPUT/-SIGNAL 3. N.C. 4. N.C.</p> <p>J2 1. AN. GND 2. D.P.1 3. D.P.2 4. AN. GND 5. PEAK CONN. 5 & 6 FOR PEAK 6. VDCOUT 7. HOLD CONN. 6 & 7 FOR HOLD</p>	<p>TYPICAL CONNECTIONS EXTERNAL POWER (Power Input, Digit 2 Options 2, 3 or 4)</p> <p>J1 1. +VDC 3. -SIGNAL 2. GND. 4. +SIGNAL</p> <hr/> <p>DECIMAL POINT SELECTOR:</p> <p>LCD (Display Type, Digit 3 Options 0, 2 or 4) 1XXXX (None)-Connect J2-1 & J2-4 1XXX.X Connect J2-2, J2-3 and J2-4 1XX.XX Connect J2-2 and J2-4 1X.XXX Connect J2-3 and J2-4 1.XXXX Connect-None</p> <p>LED (Display Type, Digit 3 Option 5) XXXX (None)-None XXX.X Connect J2-1, J2-2 and J2-3 & J2-4 XX.XX Connect J2-1 and J2-2 X.XXX Connect J2-3 and J2-4</p>
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