

FL-B101D40PF

Power Factor Bargraph Indicator

TEXMATE



LEOPARD FAMILY



This unit accepts an analog DC signal from a Power Factor transducer, ranging from 4-20mA, 0-1mA, 2VDC, 5VDC, and 10VDC.

It provides a bargraph and digital display of the reading in the format customary for Power Factor meters, with the bargraph centered at PF=1.0.



Lead and lag are indicated by the bargraph extending upward (lead) or downward (lag) with cos(theta) scale markings from LAG 0.5 to 1.0 to LEAD 0.5.

The digital display provides a corresponding numeric readout of the same data with LAG represented by negative sign.

General Features

- Choice of DC volts or DC current (header selectable)
- Mono color (red or green), 101 segment high brightness bargraph. Vertical or optional horizontal format.
- Red 4-digit LED display with a range of -0.50, 1, +0.50
Optional green digital display.
- Auto-sensing AC/DC power supply. For voltages between 85-265 V AC / 95-300 V DC (PS1) or 18-48 V AC / 10-72 V DC (PS2).
- 24 V DC excitation is available to power external 4/20mA transmitters.
- Provision to connect an external programming lockout switch.
- Provision for external DIM switch to reduce the brightest display setting by 50%.
- Optional NEMA-4 IP65, Clear dust & Splash proof front cover.
- Automatic intelligent averaging, smooths noisy signals while providing a fast display response to real level changes.
- UL Listed

Software Features

- Bargraph center zero function.
- Digital display blanking.
- Four-level brightness control accessed by the  button and adjusted by the  button.

Specifications

Input Specs:.....• Header selectable current or voltage input signal
• Current input: 4-20mA with shunt 100ohm; 2mA range with shunt resistance 1kohm; (Voltage at full scale current input: 2V.)
• Voltage input: 2V, 5V, 10V, input impedance 1 Mohm

A/D Converter:14 bit single slope

Accuracy:±(0.05% of reading + 2 counts)

Temp. Coeff.:.....100 ppm/°C (Typical)

Warm up time:.....2 minutes

Conversion Rate:.....10 conversions per second (Typical)

Digital Display:.....4 digit 0.31" LED red (std), green (optn)

Bargraph Display:.....101 seg. bar red / 4 digit 4" LED red (std) green(optn), horizontal (optn)

Power Supply:.....AC/DC Auto sensing wide range supply

PS1 (std)85-265 VAC / 95-300 VDC, 50-400Hz 4.2W

PS218-48 VAC / 10-72 VDC, 50-400Hz 4.2W

Operating Temp.:.....0 to 50°C

Storage Temp:.....-20°C to 70°C

Relative Humidity:.....95% (non condensing)

Case Dimensions:9/64 DIN (Bezel 36Wx144Hmm)

Depth behind bezel (5.83") 148mm

Plus (0.7") 18mm for connectors

Weight:.....9.5 oz., 12 oz when packed