

## SPM-083ACHZ

**Super Accurate  
Signal Powered Meter  
Measures 20 to 800 Hz at  
15 to 200 VAC Input Signal  
3 1/2 Digit 0.394"(10mm) LED**



**GO Digital !!**

### General Features

The Texmate SPM-083ACHZ is a signal powered LED digital panel meter. It is ideal for OEM's in the process, medical and scientific instrument field where small size and exceptional performance are important.

The SPM-083ACHZ comes standard to measure voltage from 20 to 800Hz. This meter is suitable to use on small to large AC powersupply generators and other AC systems.

### Pin Connections

The SPM-083ACHZ is factory calibrated to measure 20 to 800 Hz.

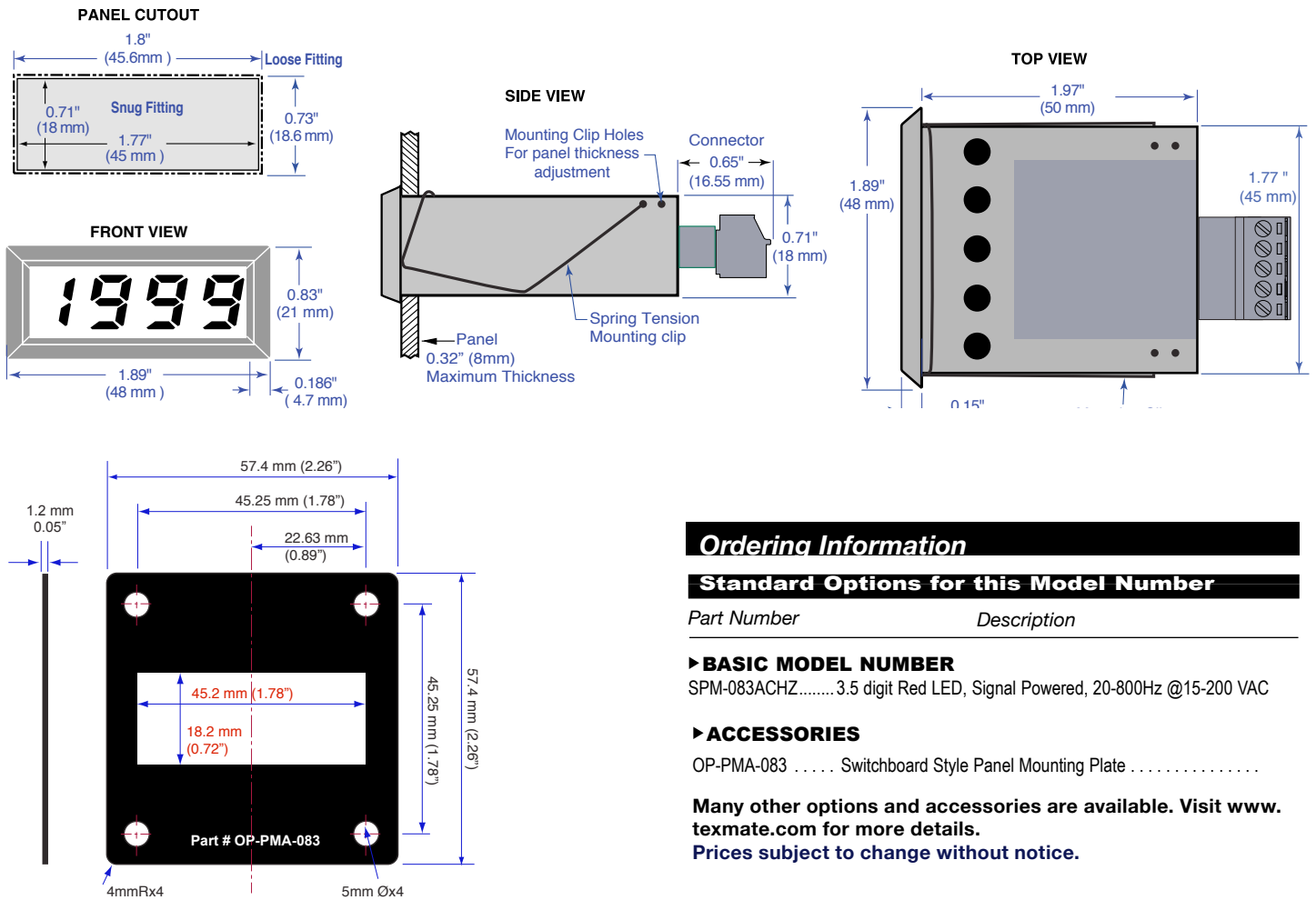
To connect the meter to the user's system, two wires are required. Connect the wire to the pin marked "L" and "N".



### Specifications

- A/D conversion:** ..... CMOS dual slope
- Display:**..... 0.394" (10mm), Red, optional Green or Blue LEDs.
- Power Consumption:** 10mA Max.
- Accuracy:**..... 0.05% of reading.
- Connection:**..... Meter is supplied with 2-pin screw terminal type connector.
- Settling Time:**..... 1 sec.
- Reading Rate:** ..... 2.5 per sec.
- Over Range Indication:** last 3 digits blanking
- Common Mode Rejection Ratio:** Approx. 86 dB
- Power Supply:** ..... No separate power supply is required. The meter is powered from the signal input 20-800 Hz @10V to 200VAC
- Operating Temperature:** . -20 to 80 °C. Typical max 50ppm for 75%.
- Temperature Coefficient:** Better than ±50ppm/ °C (typical 15 ppm for 80%)
- Relative Humidity:**..... 95% (non-condensing)
- Case Dimensions:** ..... 1.77"Wx0.71"Hx1.97"D (45x18x50mm)  
Add 0.65" (16.55 mm) for connector  
Front Bezel 1.89"x0.83" (48x21mm)  
Panel cutout 1.77"x0.71" (45x18mm)
- Max Panel Thickness:** 0.32" (8mm)
- Weight:** ..... 7oz. (20gms)

# SPM-083 Case Dimensions and Panel Cutouts



## Ordering Information

### Standard Options for this Model Number

Part Number	Description
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#### ► BASIC MODEL NUMBER

SPM-083ACHZ..... 3.5 digit Red LED, Signal Powered, 20-800Hz @15-200 VAC

#### ► ACCESSORIES

OP-PMA-083 . . . . Switchboard Style Panel Mounting Plate . . . . .

Many other options and accessories are available. Visit [www.texmate.com](http://www.texmate.com) for more details.  
 Prices subject to change without notice.

## MINI Series, mini size and mighty performance

SPM-083ACHZ..... 3.5 digit Red LED, Loop Powered, 4-20mA input (1000)

### WARRANTY

Texmate warrants that its products are free from defects in material and workmanship under normal use and service for a period of one year from date of shipment. Texmate's obligations under this warranty are limited to replacement or repair, at its option, at its factory, of any of the products which shall, within the applicable period after shipment, be returned to Texmate's facility, transportation charges pre-paid, and which are, after examination, disclosed to the satisfaction of Texmate to be thus defective. The warranty shall not apply to any equipment which shall have been repaired or altered, except by Texmate, or which shall have been subjected to misuse, negligence, or accident. In no case shall Texmate's liability exceed the original purchase price. The aforementioned provisions do not extend the original warranty period of any product which has been either repaired or replaced by Texmate.

### USER'S RESPONSIBILITY

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