SD-Series

FUNCTION SPECIFIC METERS


Touch-Pad Standard

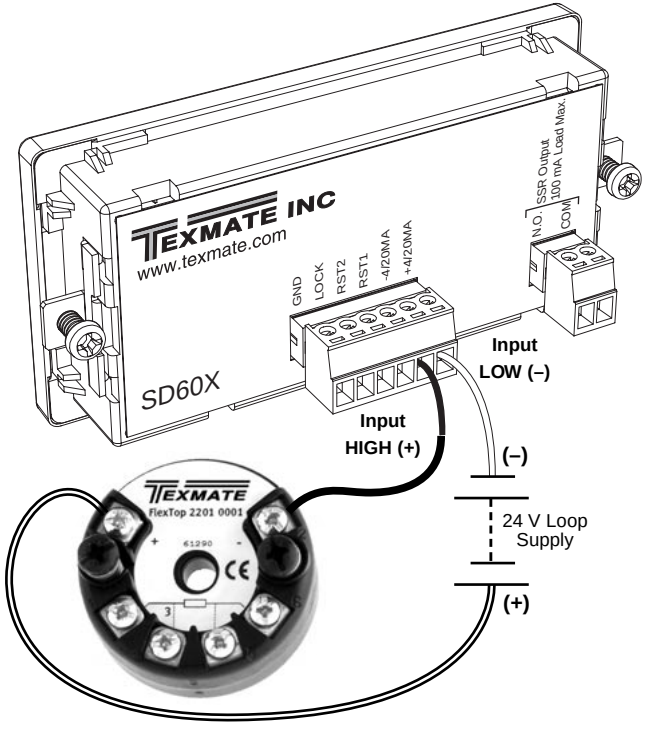
Push-buttons Optional

# SD-60XI

## 4-20mA Loop Powered Display & Dual Totalizer

6-Digit with 0.5” LCD Display, 1/8 DIN Ultra Short Depth Case

## Typical Application Connections




## Compatibility

The 1/8 DIN case style and panel appearance of the SD-60XI meter matches Texmate’s range of Lynx, Leopard, and Tiger 320 Series meter families. The depth behind the panel is only 15 mm (0.59”), increasing to just 27.5 with a connector attached. The SD-60XI makes an ideal extra or remote display as it can operate in conjunction with the 4-20 mA loop input, or from the 4-20 mA analog output of most Leopard or Tiger 320 Series meters.

INTERNATIONAL DIN CASES 1/32 1/32 1/8

## General Features

- Friendly front panel programming.
- Intuitive, user friendly calibration procedures.
- Single input channel with dual totalizers for sub and grand total processing.
- Smart digital filtering and programmable input averaging with averaging window for quick response time to large signal changes.
- Three external inputs using contact closures for resetting totalizer 1, totalizer 2, or preventing programming changes.
- One independent programmable setpoint.
- Setpoint activated from input or selected meter function.
- Setpoint hysteresis or deviation mode settings.
- Seven (7) relay timer modes.
- Single 210 mA, 400 VDC solid state relay (SSR).
- Relay latching.
- Manual relay reset.
- Programmable safety lockout to prevent tampering.
- Peak and valley retention.
- Optional NEMA-4 front cover.
- Square root extraction.

## *Specifications*

Input Configuration: .....Series connection to 4-20 mA DC current loop. 3.4 volts drop plus 20 Ω (equivalent to 3.9 V @ 20 mA), plus 2.3 V drop if SSR installed

Relay Output: .....Single solid state relay (SSR). Max 210 mA, 400 VDC ONLY

Display: .....7-segment, 0.5" Liquid Crystal Display (LCD)

Polarity: .....Assumed positive, displays – negative

Display Range: .....–199999 to 999999

Display Update: .....0.5 secs

Internal Resolution: .....16-bits

A/D Converter: .....16-bit Sigma Delta

Accuracy (Standard): ....±0.02% of reading ± 2 digit (typical)

Conversion Rate: .....10 samples per second

Temp. Coefficient: .....Typically 30 ppm/ °C

Descriptors:.....Any ASCII character selectable

Decimal Point:.....Front panel, user programmable to five positions

Operating Temperature: -10°C to +50°C

Storage Temperature:....-20˚C to +70˚C

Warm Up Time: .....1 minute

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

Case Dimensions: .....1/8 DIN, Bezel: 96x48 mm (3.78"x1.89"). Depth behind bezel 15 mm (0.59") plus 16.4 mm (0.65") for right-angled connector

Weight: .....56.7 gms (2 oz)
141.7 gms (5 oz) when packed

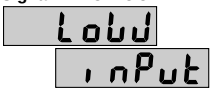
Case Material: .....Polycarbonate

Lens Cover: .....NEMA-4, (optional)

Underrange Indication:..Input signal below approx. 3.3 mA displays [LOW input] reading

Overrange Indication: ....Input signal above approx. 27.7 mA displays [OVER] reading

**Signal BELOW 3.3 mA**




**Signal ABOVE 27.7 mA**


**Programming Buttons**

PROGRAM: .....Move from one program step to the next

UP: .....Increase the value of the displayed parameter

DOWN: .....Decrease the value of the displayed parameter

**Application Functions**

Totalizer: .....Two totalizers are available. The totalizer calculates the running total of a process signal being metered by accumulating an input process variable over time

Peak and Valley: .....The meter can retain peak and valley (min/max) information and recall this on the front panel

Setpoints: .....SP1 resets a selected function and / or activates Relay 1