



## Model PSC5818

### Wireless Bluetooth Universal Sensor Meter

#### App Function and Operation

Defines the measurement units and inputs the zero point and full span.  
Set the threshold, hysteresis that defines the switch operation.  
Select LCD readout orientation according to mounting direction.  
Press "Confirm" button to transfer all setup configuration information to the Sensor Meter and then sensor meter transfers data from the sensor in real time to the App to display on smart phone and LCD.

Settings on Smartphone App



Readout Display



#### Optional Version with External Antenna



#### Optional Adaptors for DIN 43650



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The PSC5818 provides local and remote monitoring of a wide range of 4-20 mA and voltage output industrial sensors. The unit is equipped with an isolated switch contact for installations requiring an external control function. For local monitoring the unit has a built in LCD display with red LED backlight with user programmable orientation together with zero & span limits via an iOS smartphone & tablet App. Digital and graphic remote monitoring is accomplished through the Bluetooth interface, App, phone/tablet auto scaling display where application specific units, span, zero, set point, and hysteresis band may be configured.

The unit is housed in a custom molded glass filled PA case that incorporates a Mini DIN 43650 sensor interface and an 8 pin male M12 connector for power, switch, and output connections.

#### Features:

- Wide input power supply range for voltage mode sensors (5 to 32 volt) and current mode sensors (9 to 32 volt)
- Isolated loop power for 4-20 mA sensors
- Local display of current process pressure, temperature or other sensor output
- Four 0.6" digit integral LCD display with red LED backlight with 180 degree configurations housed in a rugged glass filled plastic case
- Display can be scaled to read PSI, Bar, Deg C, Deg F or user defined
- Programmable single Form A (SPST) relay contact with user programmable hysteresis / Dead-band
- Contact Rating: 0.5A 125 VAC/1A 30VDC
- User configurable set point alarm with hysteresis actively displayed on smart device
- iOS App for iPhone and iPad
- IP65, CE, FCC, ISO-9001, ROHS, Certified BLE module
- Range: Standard 15 meter, extended with optional external antenna

- **4~ 20mA sensors:**  
Isolated loop power  
7 pin interface: +/- External Power, +/- 4-20mA loop, Switched Contacts:N.C./COM, Ground
- **Voltage Output sensors:**  
6 pin interface: +/- External Power, Analog Output, Switched Contacts:N.C./COM, Ground

#### Applications:

- Ideal for local display of commercial, industrial pressure and temperature measurements of both gases and liquids

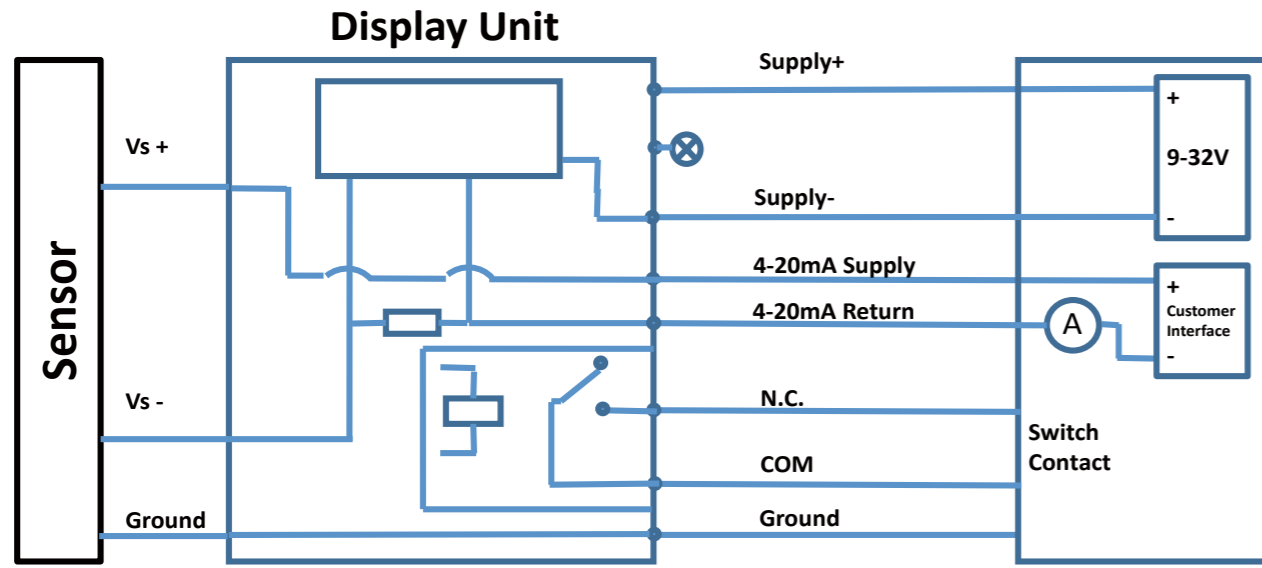




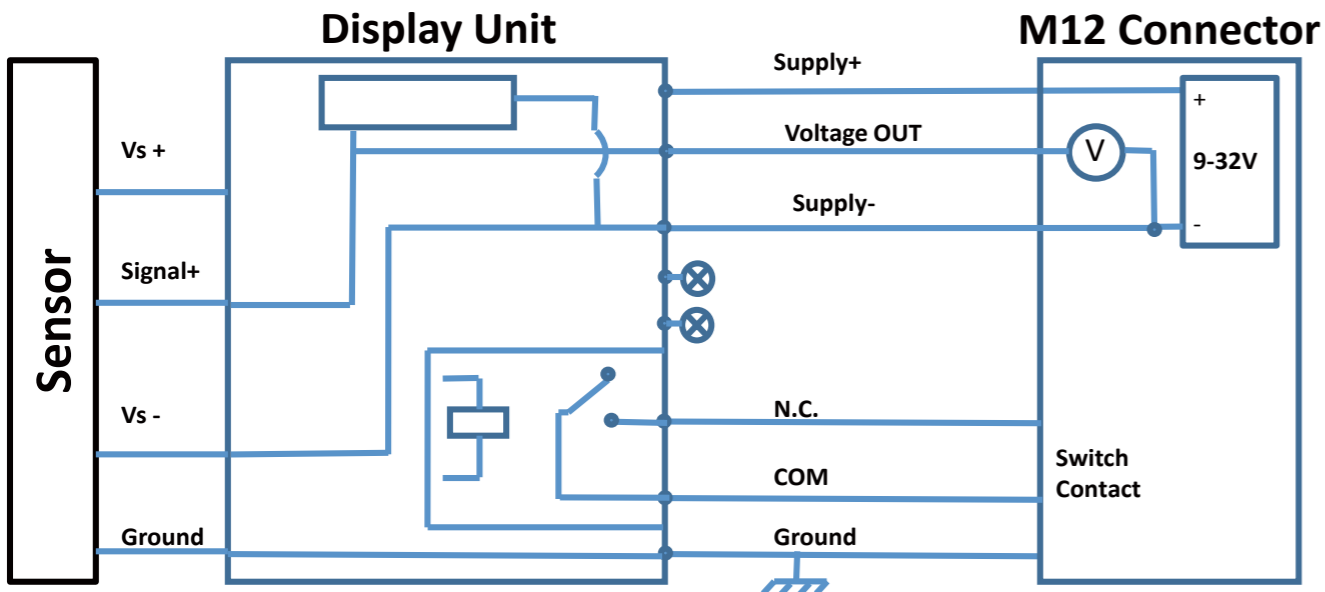
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### Wireless Bluetooth Universal Sensor Meter

#### Wiring Diagram for Current System



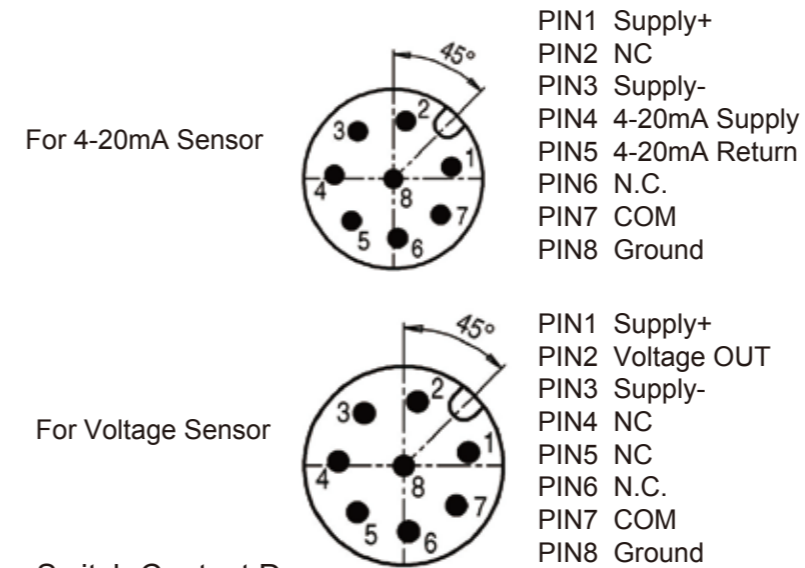
#### Wiring Diagram for Voltage System



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### Wireless Bluetooth Universal Sensor Meter

#### M12 8Pin Connector Connection



#### M12 8Pin connector

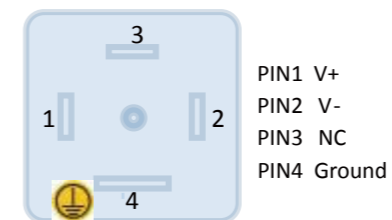


#### Switch Contact Data

Contact rating(Res. load)	0.5A 125VAC / 1A 30VDC
Max. switching voltage	125VAC / 60 VDC
Max. switching current	2A
Max. switching power	62.5VA / 30W

#### Connection for Sensor Side

##### Electrical Connection 2-wires for 4-20mA Sensor



##### Electrical Connection 3-wires for Voltage Sensor

