



## Standard Features

- » High-resolution ADC providing sensitivity of between 7.5 mV/V to 480 mV/V. (3.3 VDC Excitation)
- » Strain bridge connector for six-wire connection plus TEDS support
- » Two-point calibration via the keypad or comprehensive calibration options via the toolkit
- » Simple keypad configuration or fully customized via toolkit software
- » 128 x 64 dot matrix display with backlight
- » USB port providing configuration, calibration, save & restore, live logging
- » Ergonomic design with improved grip and shock protection
- » Strain bridge connector for six-wire connection plus TEDS support
- » Two-point calibration via the keypad or comprehensive calibration options via the toolkit

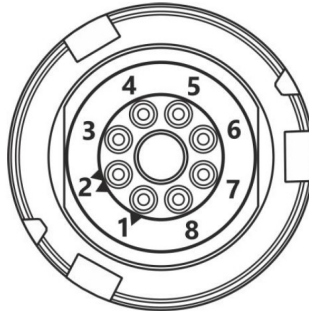


## Technical Specifications

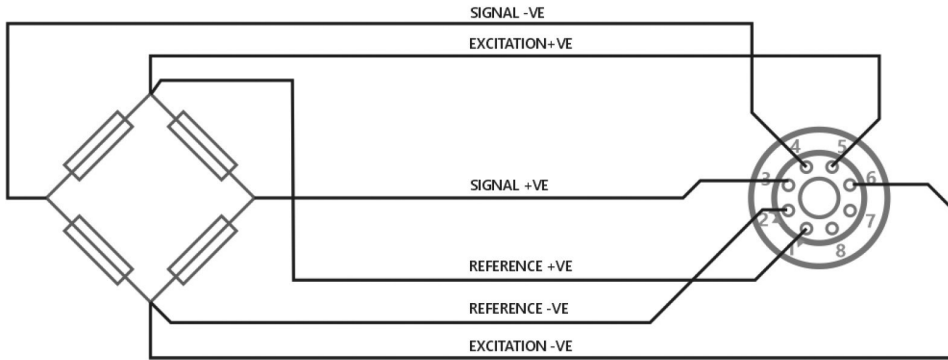
Specifications	Portable Sensor Display
	Model: PSDS
<b>Input</b>	
Non-Linearity	± 0.005 % FS
Load Cell Excitation	3.3 VDC (± 4 %), 59 mA maximum
Battery Life	60 hrs w/ 350 Ω sensors (220 hrs in low power mode)
Load Cell Input Range	± 0.5 mV/V up to ± 480mV/V
Minimum Bridge Resistance	85 Ω (4 of 350 Ω sensors in parallel)
<b>Display</b>	
Screen Type	Backlight 7.5 digit LCD display, 8.8 mm high digits
Display Resolution at 1 Hz Update Rate	1 part in 1,100,000
Display Resolution at 10 Hz Update Rate	1 part in 65,000
Update Rate	Up to 40 millisecc (selectable)
Annunciators	Low battery; peak; hold; net; shunt cal; range
<b>General I/O's</b>	
Front Panel	Smart Soft Keys
Power Supply	2 AA size alkaline batteries or USB powered
Settable Functions	Tare/zero value; low power mode, auto turn off
Settable Display Settings	Display resolution (decimal point), update rate
<b>Environmental</b>	
Operating Temperature	14°F to 122°F (-10°C to +50°C)
Thermal Drift	< 25 ppm / °C
Environmental Rating	IP65 (With connector mated or unmated)
Enclosure Type	ABS, dark grey
<b>Dimensions</b>	
Height x Depth x Width	6.69" H, 1.6" D, 3.7" W
Weight	12.875 oz (365 g)



# Wiring



## 6-WIRE



Sensor Connection	
Connector Pin	Description
1	Reference +ve (White)
2	Reference -ve (Black)
3	Signal +ve (Green)
4	Signal -ve (Black)
5	Excitation +ve (Red)
6	Excitation -ve (Black)
7	TEDS (Blue)
8	Ground (Black)

## 4-WIRE

