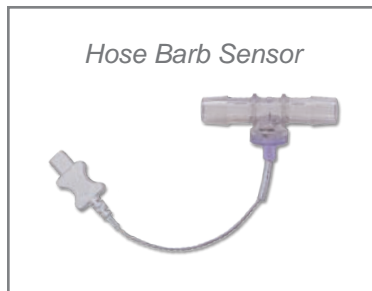


## PendoTECH Temperature Sensor System Accessory

### Background

The PendoTECH Temperature Sensor System Accessory (PDKT-TT1) connects to the PendoTECH Temperature sensor and produces a 4-20 milliamp signal that is linear with temperature. It has a rugged ABS plastic enclosure and an LED front panel power indicator. Electrical connections are located on the back panel. Digital technology and the narrow 4-20mA output range from 0 to 70°C ensures accurate and drift free linearization of the sensor output.



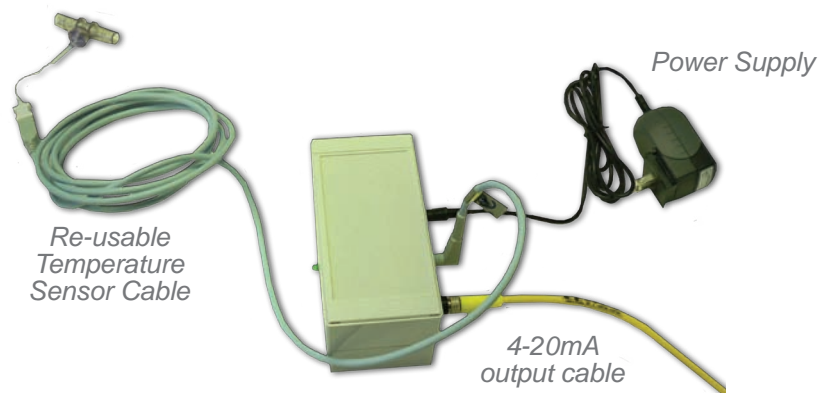
*Luer Sensor*



### Transmitter Details

Connections to the unit are quick and convenient.

It is powered by a 24VDC wall supply that has universal voltage input (100-250VAC). The reusable temperature sensor cable plugs into the back of the unit. The 4-20mA output may be interfaced to PendoTECH products by the included interface cable. Alternatively, a field wireable connector is included that allows "field" wires to be connected directly to the unit. To maintain CE compliance, input wires must be less than 10 ft. in length which is the maximum length of the PendoTECH reusable monitor cables. Additional wire length also adds additional resistance which can impact accuracy so extensions are not recommended.



## Specifications

Enclosure	ABS Plastic with rubber feet
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### Input

Range	0-70°C
Burnout Signal	Upscale 22 mA
Sensor Lead Length	<10 feet (to maintain CE)
Sample Rate	500mS per Reading
Accuracy	±0.14°C
Thermal Drift	Zero ±0.01°C/°C ; Span 50 ppm
Connection	¼ inch headphone receptacle connected to screw terminals

### Output

Output	4 to 20 mA, (spans to temperature range of 0-70°C)
Output Cable	12 ft/ 4 meters
Maximum Output Range	3.8 to 22 mA
Operating Voltage	24V DC
Accuracy	± 5µA
Thermal Drift	± 2µA/°C
Response Time	500mS to reach 70% of final value
Max Loop Resistance	800 ohms
Input/Output Isolation	Not Isolated
Warm-up Time	2 Minutes to full accuracy
EMC	Emissions : BS EN61326; Susceptibility: BS EN61326
Ambient Temp. Range	-20 to 80°C
Ambient Storage	-40 to 80°C
Ambient Humidity	0 to 95% (Non condensing)
Dimension	6.25" w x 3.125" h
Weight	370 grams

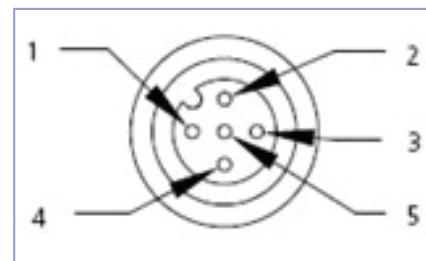
## Ordering Information

PDKT-TT1	PendoTECH Temperature Sensor Transmitter
PDKT-650-TEMPB	10 foot reusable temperature sensor cable with 1/4 phone jack for barb sensors
PDKT-650-TEMPL	7 foot reusable temperature sensor cable with 1/4 phone jack term. for luer sensors



Unit Shown with Interface Cable to PendoTECH Control System

### Output Receptacle Schematic



1 - Signal  
2 - Common  
3, 4, 5 - Not Used

