



# Temperature & Process Instruments, Inc.



**Temperature & Process Instruments, Inc.**  
Visit our **NEW** online Store at  
[www.tnp-instruments.com](http://www.tnp-instruments.com)  
**And Find a Great Selection of Portable  
Infrared Thermometers**

You will also find sensors and instruments for  
all your Temperature and Process needs  
Including

- ▶ MIST Series Microprocessor based Integrated Sensor Transmitter
- ▶ Portable and Benchtop Temperature and Process Calibrators
- ▶ Portable and Laboratory Dry Block Calibrators
- ▶ DIN Rail or Head Mounted Temperature Transmitters
- ▶ **New Environmental and Indoor Air Quality Instruments**
- ▶ Wall and Duct Mounted Temperature and Humidity Transmitters

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Web Site: <http://www.tnp-instruments.com>

## PSC PLMS Compact Series Infrared Thermometers



Price Start at \$175.00

### New PSC PLMS Series Handheld Portable Infrared Thermometers

- ▶ Three Models to Choose From
- ▶ Temperature Ranges up to -32 to 760°C (-30°F to 1400°F)
- ▶ Precision Optics for Accurate Non-Contact Temperature Measurement
- ▶ Fast Response Time 300 ms
- ▶ Laser Sighting with Narrow Beam Aiming for Accurate Readings
- ▶ Exact Measurement of Objects as Small as 13mm at a Distance of 140mm
- ▶ PSC PRO Includes USB Interface and PSCconnect Software
- ▶ PSC PRO Includes Type K Thermocouple Input
- ▶ PSC PLUS/PRO Includes Adjustable Acoustic High/Low Alarm
- ▶ Optics up to 40:1
- ▶ 8 to 14µm Spectral Response
- ▶ PSC PLUS/PRO Includes Adjustable Emissivity

Model	Description	Price
PLMS	Range -32 to 420°C (-20°F to 768°F)	\$175.00
PLMS-PLUS	Range -32 to 530°C (-20°F to 980°F)	\$210.00
PLMS-PRO	range -20°F to 1400°F (-32 to 760°C)	\$395.00

Each Instrument includes a 9V battery and instruction manual.

**For Additional Models and Specifications**  
Visit our Web site at:  
<http://www.tnp-instruments.com>

## PSC PLST Compact Infrared Thermometers



Price Start at \$810.00

### New Innovative Compact Professional Infrared Thermometer

The new performance standard of Infrared Thermometers detecting spot sizes as small as 1mm for the measurement of finest details-cross hair laser sighting marks real spot size at any distance

- ▶ LC flip display switches into most convenient viewing position (horizontal and vertical viewing directions controlled by position sensor)
- ▶ Optical resolution 75:1
- ▶ Thermocouple input
- ▶ USB interface and graphic software with oscilloscope function for 20 data per second

### Features

- ▶ **Wide Temperature Range -30 to 1650°F (-35 to 900°C)**
- ▶ **Maximum, Minimum, Differential, Hold and Average Reading**
- ▶ **Alarm Functions Visual and Audible High/Low**
- ▶ **Type K Thermocouple Connector**
- ▶ **Adjustable Emissivity**
- ▶ **Comfortable Ergonomic Design**
- ▶ **Easy to Use Just a "Click" to Measure**
- ▶ **Quick Immediate Response**
- ▶ **Laser Sighting Standard**
- ▶ **°C/°F Selectable**

Model	Description	Price
PLST	Range -30 to 1650°F (-35 to 900°C)	\$810.00

Each PSC PLST includes a USB cable PCconnect oscilloscope software t/c type K insertion probe carrying case, padded pouch, wrist strap and batteries.

## PSC PTLST-20-1M/2M Portable Telescopic, Laser Sight Infrared Thermometer

### PSC PTLST-20-1M/2M Portable Telescopic, Laser Sight Documenting Infrared Thermometer

- ▶ Temperature ranges from 725 to 3252°F (385 to 1800°C)
- ▶ High optical resolution 300:1
- ▶ Precise aiming with dual laser and scope sighting
- ▶ Adjustable emissivity from 0.100 to 1.000



Price Start at \$2395.00

- ▶ Short wavelength spectral responses - minimizes temperature errors due to changes in product emissivity
- ▶ MAX/MIN function and audible
- ▶ USB interface, PSC Connect RSoftware Included
- ▶ Data logger for 2000 measured values
- ▶ Display Temperature in °C/°F
- ▶ Visible High and Low Alarm Included

The PSC PTLST-20-1M/2M Portable Telescopic, Laser Sight Thermometer for demanding industrial applications. Two models offer temperature ranges of 1202 to 3272°F (650 to 1800°C) on the 1M version, or 725 to 2912°F (385 to 1600°C) on the 2M. Spectral responses of 1.0µm and 1.6µm respectively, enhance measurement accuracy when monitoring relatively low or variable emissivity targets.

**Typical application** of the PSC PTLST Series portable infrared thermometers are to measure and record temperatures where an increase of its value means a possible machine wearing, aging, and faulting.in application such as:

- ▶ Slag free molten metals and Crucibles
- ▶ Composites
- ▶ Furnace surveys in steel
- ▶ Molten glass
- ▶ Glass and refractory

Model	Description	Price
PTLST-20-1M	1202 to 3272°F (650 to 1800°C), Spectral range 1.0µm	\$2395.00
PTLST-20-2M	725 to 2912°F (385 to 1600°C) Spectral range 1.6µm	\$2395.00

Each instrument includes a Hard carrying case, USB interface cable, PSC Connect Report software, Battery charger, Operators Manual

## PSC-90 Portable High Performance Documenting Infrared Thermometer

The PSC-90 is a versatile non-contact, portable digital infrared thermometer for accurate measurement and data logging of surface temperature. It can also be mounted on a tripod for short-term monitoring. The PSC-90 offers a wide temperature measuring range of 1112°F to 5432°F (600°C to 3000°C) and features a digital display of the measured temperature in both the viewfinder and on an LCD display on the back of the instrument.



Price Start at \$2795.00

Other functions of the PSC-90 are audible and visual alarms for high/low temperature, auto power off, battery check and user calibration. A variety of optional close focus lenses are available for measuring distances of 4" (100mm) to 21" (540mm) with a minimum measuring diameter of 0.04" (1.0mm). An additional model, the PSC-90-2 with optional analog output of 0 to 1VDC, is also available.



- ▶ Features
- ▶ Sharp adjustable focus with precision optics
- ▶ High accuracy/repeatability
- ▶ Measures wide temperature range 1112 to 5432°F (600 to 3000°C)
  - ▶ Read temperature in viewfinder or on large LCD display
- ▶ Communication software (optional)
- ▶ Data logging up to 1000 temperature readings
- ▶ Built-in close focus lens attachments for ultra small spots

Model	Description	Price
PSC-90	1112 to 5432°F (600 to 3000°C)	\$2795.00

**For Complete Specifications  
Visit our Web site at:  
<http://www.tnp-instruments.com>**

## Fixed Mounted Industrial Infrared Thermometers

### PSC-CS Compact Low Cost Fixed Mounted Infrared Thermometers



- ▶ Temperature range: -20 to 350°C
- ▶ Rugged coated silicon optics
- ▶ Integrated electronics with LED alarm
- ▶ Scalable analog output: 0 to 10Vdc or 0 to 5Vdc

Prices Start at \$240.00

### PCS-CSM Micro Sensor Fixed Mounted Non-Contact Infrared Thermometer



- ▶ Temperature range -4 to 662°F (-20 to 350°C)
- ▶ Rugged coated silicon optics
- ▶ Integrated electronics with LED alarm indication and smart electronic sighting support
- ▶ Sensor Head Usable up to 248°F (120°C) ambient temperature without cooling
- ▶ Scalable analog output: 0 to 10V or 0 to 5V

Prices Start at \$240.00

For your convenience  
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