



# PSC-IRVT-1000/1600

**PROFESSIONAL INFRARED VIDEO  
THERMOMETERS WITH TFT COLOR LCD  
DISPLAY & IMAGER VIDEO FORMAT**



## TYPICAL APPLICATION AREAS:

- Plant/General Maintenance
- Electrical
- HVAC
- Transportation/Automotive
- Bulk Material Conveyors
- Paper Production
- Wood, Gypsum, Brick
- Textiles
- Rubber, Powders



# **PSC-IRVT-1000 AND PSC-IRVT-1600 ARE A NEW SERIES OF ECONOMICALLY PRICED, EXCELLENT VALUE NON-CONTACT INFRARED VIDEO CAMERAS FOR FAST, EASY AND ACCURATE TEMPERATURE MEASUREMENT.**

Equipped with a 2.2" TFT color LCD display, a high capacity micro SD memory card and choice of two temperature ranges -50°C to 1000°C (-58°F to 1832°F) and -50°C to 1600°C (-58°F to 2912°F), the PSC-IRVT Series provides fast, easy and accurate temperature readings while capturing JPEG images or videos for viewing and analysis on your PC.

The lightweight modern housing with protective lens cover features built-in dual laser pointers for increased target accuracy and all video recording and playback features are easily accessed with the touch of a button. The operator may set HI and LO alarm points, customize settings by choosing from five languages, and has the option to measure humidity and ambient air temperature as well.



*Manufacturing processes*

## **FEATURES**

- Video Recording and Playback
- Large 2.2" TFT Color LCD Display
- Data Logging
- 50:1 Distance to Target Size Ratio Measures Smaller Surface Areas at Greater Distances
- Wide Temperature Ranges From -50°C to 1600°C (-58°F to 2912°F)
- Dual Laser Pointers



*Electrical*

## **2.2" TFT COLOR LCD DISPLAY**



## **DUAL LASER TARGETING**



## **EASY REPORTING**





Standard Accessories: 3.7 Volt Battery, Type K Thermocouple, USB Cable, Micro SD Memory Card, Operator's Manual and Tripod, Carrying Case



## Revolutionary New Portable IR Model PSC-IRVT Series

The light weight (1lb.1oz.), ergonomically designed housings of the PSC-IRVT-1000 and PSC-IRVT-1600 feature 2.2 inch thin film transistor color LCD displays that provide sharp, crisp snapshot images (JPEG) and videos (AVI). The video recording and playback features are easily accessed with the touch of a button, while the built-in dual lasers pinpoint the exact target size. A 4GB micro SD memory card is included.

With 640 x 480 pixels, the multi-functional PSC-IRVT Series video cameras feature temperature ranges from -50° to 1600°C, making them ideal for general purpose plant and equipment maintenance as well as HVAC and refrigeration, bulk materials, and transportation/ automotive applications. The PSC-IRVT series works equally well with virtually any non-shiny material, but is especially effective with paper production, wood, textiles, gypsum, brick, rubber and powders.

	<b>2.2" TFT color LCD display</b>		<b>Dual-laser</b> targeting
	Support <b>Images</b> (JPEG) capture capabilities		<b>Date/Time</b> setup controls
	Support <b>Video</b> (3GP) capture capabilities		<b>USB</b> interface
	Support <b>IR, K-Type, Air, Dewpoint, Wet bulb Temp. &amp; Air Humidity</b> measurement		Data Logger
			Support <b>MicroSD</b> memory card extension

### MOTORS & PUMPS      HVAC      STEAM TRAPS      AUTOMOTIVE



# PSC-IRVT-1000/PSC-IRVT-1600 SPECIFICATIONS & FEATURES

SPECIFICATIONS	PSC-IRVT-1000	PSC-IRVT-1600
Temperature Range	-50°C to 1000°C -58°F to 1832°F	-50°C to 1600°C -58°F to 2912°F
Response Time	Less than 300ms	
Resolution	0.1° up to 1000°, 1° over 1000°	
Accuracy (IR)	±1.0% of Reading	
Optical Resolution	50:1 (Distance to Spot Size Ratio)	
Emissivity Adjustable	0.10 – 1.0 Adjustable	
Type K Probe Temperature Range	-50°C to 1370°C (-58°F to 2498°F)	
Accuracy (Thermocouple)	±0.5% of Reading	
Micro Sd Memory Card	3GB (Optionally up to 8GB)	
Ambient Operation Temperature	0°C to 50°C (32°F to 122°F)	
Air Temperature Accuracy	±0.5°C (1°F)	
Humidity Accuracy	±2.5%RH (20%-80%RH)	
Dew Point and Wet Bulb Temp Range	0°C to 50°C (32°F to 122°F)	
FEATURES	PSC-IRVT-1000	PCS-IRVT-1600
2.2" TFT 320x240 Pixel Color LCD Display	★	★
Camera 640x480 Pixels	★	★
JPEG Images and 3GB Video	★	★
Micro SD Memory Card	★	★
Dual Laser Targeting	★	★
Date/Time Setup Controls	★	★
Auto Power Off	★	★
High Temperature	★	★
MAX, MIN, DIF, AVG Record	★	★
High and Low Alarm	★	★
Adjustable Emissivity and Trigger Lock	★	★
Type K Input	★	★
USB Interface	★	★
Readings Memory	★	★
Humidity and Ambient Air Temperature	★	★
Dew Point and Wet Bulb Temperature	★	★
Language Selection: English, Spanish, German, French, Chinese	★	★

## PROCESS SENSORS CORPORATION

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