

PRESS RELEASE

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For immediate release

For more information contact:

Scott Nagle – Sales Manager, Process Sensors Corp.

Tel: (201) 485-8773

Email: [snagle@processsensors.com](mailto:snagle@processsensors.com)

IR THERMOMETER INCORPORATES TWIN LASER IDENTIFICATION OF TARGET SPOT LOCATION AT ANY DISTANCE

With an overall size of only 4" (100mm) long x 2.2" (55mm) dia, Process Sensors' latest addition to their family of compact, non-contact, on-line temperature sensors features dual, converging lasers that brightly illuminate the exact location of the target spot at any distance from the lens. This feature greatly simplifies sensor aiming, and eliminates ambiguity that could result in error readings.

The Model PSC-SSS-Laser-3M offers a wide overall temperature span of 50 to 600°C, a short wavelength, spectral response of 2.3µm, and selectable target spot sizes from 1.75mm at 70mm distance, 90mm at 3600mm, 0.7mm at 70mm or 36mm at 3600mm, depending on the selection of optics and model. The specification particularly suits the thermometer to secondary metal processing, and the measurement of oxides and ceramic materials.

Signal processing and programming electronics are contained in a rugged 2.75" X 3.5" (70 x 89mm) housing that can be mounted up to 9.8 feet (3m) from the sensor as standard, or optionally 26 feet (8m) or 49 feet (15m), providing greater immunity from electromagnetic interference, mechanical shock, and high ambient temperatures. The sensing head is able to withstand ambient temperatures of up to 85°C without cooling.

Functions provided by the signal processing and programming unit include: analog outputs of 0/4-20mA, 0-5/10V, and J and K thermocouple. Optional digital outputs are: USB, RS 232, RS 485, Profibus DP and Ethernet. Programmable parameters include emissivity and transmissivity adjustments, peak and valley hold, averaging, and extended hold with threshold and hysteresis.

Process Sensors' "PSC Connect Software" supports sensor set-up, multi-tasking, graphic display of temperature trends, and data logging, and in general allows the user to customize the sensor to the application. More information can be found at [www.processsensorsIR.com](http://www.processsensorsIR.com)

Process Sensors Corp. is a private company with a manufacturing facility located in Milford, MA. The company is a manufacture and sells IR temperature and moisture sensing instruments, and associated calibration systems. Technical and application support is provided throughout the World, with direct offices located in the USA, Great Britain and Eastern Europe.

Enc: Data Sheet PSC-SSS-Laser-3M

Product photograph