

PRESS RELEASE

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For immediate release

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HIGH SPEED IR THERMOMETER BREAKS MILLI SECOND RESPONSE BARRIER

The response speed of the fastest infrared thermometers until now has been limited to the millisecond domain. Process Sensors newly released, self contained, Metis HS09/HI16 non-contact infrared temperature sensor captures 20,000 measurements per second with an unprecedented 50 microsecond response.

With a temperature span of 250°C to 2500°C, over three models, the HS/HI Series opens up applications in high speed ferrous and non-ferrous metals processing, ceramics, semiconductor and in research environments where short duration phenomena such as explosions must be monitored. Target spot sizes of 0.35mm to 4000mm dia. are offered over the same three models, using standard, focusable optics; or 0.5mm to 40mm with focusable lens fiber optics.

Other notable features include laser aiming and through lens sighting, and an integral black and white video camera for monitoring the target area in hazardous or hard to access locations. A peak picker function can be set up to detect and hold the highest measurement in applications where the target is intermittently obscured by steam, dust or surface scale.

Switchable, analog 0 to 20mA/4 to 20mA outputs connect with process control or data acquisition equipment. A fast, digital, RS485, 921 kBd maximum communications interface is also included. Thermometer set up can be manual, or automatic using optional PSCWin software. The software also facilitates the recording of data in graphical, text or tabular format.

Detailed specification information can be found at www.processsensorsIR.com

Process Sensors is a private company with a manufacturing facility located in Milford, MA, USA. The company is a manufacturer and distributor of non-contact temperature and moisture measurement instruments, and the associated calibration systems. Technical and application support is provided worldwide through direct, regional and sales representative offices.

Enc: Data sheet
Product photograph