

Press Release

Ircon extends Modline 7 series

New features for a wider range of industrial applications

Berlin – Ircon extends the Modline 7 series by two new infrared thermometers and a new processor box. The new 7V line has been especially designed for the semiconductor industry, while the 75 series now comprises a new high temperature model dedicated to heat treating and annealing. With these additions, the Modline 7 series includes eight distinct thermometer lines for various application fields including glass manufacturing and forming, ultra-thin glass production, semiconductor processing, and industrial furnaces. The modularity of the Modline 7 series helps users reduce installation efforts, since the installation hardware and application software is identical for all sensors and each model features an extended measured temperature range, with the entire series covering a -40..+3,000 °C range. The common Windows ModView Pro software platform facilitates multiple product configurations. Users can set up and monitor sensors either via the rear panel of the sensor, the ModView Pro software included in delivery, or the new PROC-7 processor box. This optional self-contained unit, designed to control all Modline 7 sensors independent of ModView Pro software, enables remote sensor health check, for instance in hard-to-reach or hazardous locations.



Figure: Ircon's Modline 7 series includes eight specialized sensor lines for rugged applications. The new PROC-7 processor box enables remote configuration.



The IP65 (NEMA 4) sealed sensor systems provide high-resolution optics, very good repeatability, and fast response times. The stainless steel enclosure integrates motorized focus control and both through-the-lens and laser sighting. The thermometer's sensing head can operate as a stand-alone sensor, providing simultaneous analog and digital outputs of process temperatures. All sensors are available with integrated water cooling to handle ambient temperatures up to 175 °C or with a WJ-7 water jacket for ambient temperatures up to 315 °C. An optional air purge collar keeps the lens free of debris in hot dusty environments and avoids unwanted condensation on the lens due to intensive cooling. Combined with an extended five year warranty, the Modline 7 series provides best-in-class solutions for demanding industrial environments.

Company Background

Raytek develops, manufactures, distributes, and services infrared sensors under the brands of RAYTEK and IRCON for non-contact temperature measurement within a range from -50 to +3,500 °C. The sensors allow for quick and accurate measurements of surface temperatures without touching the medium. Typical applications include steelworks, glassworks, cement plants, and plastics manufacturing. The Raytek product range includes fixed infrared sensors, infrared linescanners, and thermal imagers. All the devices are suitable for fixed installation in plants and machines and can be integrated into process-monitoring systems via industry-specific interfaces.

Raytek GmbH in Berlin, the European headquarters of the internationally active Raytek company, is responsible for marketing, sales, and service in Europe, Africa, and the Middle East. Raytek has almost 50 years experience in infrared temperature measurement. In addition to its headquarters in the US, its European headquarters in Berlin, Germany, and a branch in China, regional offices and numerous authorized distributors around the globe ensure customer proximity, rapid service, and individual consultation on site. Raytek is a Fluke company. A sister company in the Fluke Group is DATAPAQ, a world leader in the manufacture of temperature measurement and analysis systems for all types of industrial heating processes.

Contact: Raytek GmbH

Jutta Schwelm

E-mail: jschwelm@raytek.de

www.raytek.de