Press release



Press releases

Download

No. 640e

**New pyrometers: High-performance, robust, versatile**

**For precise and stable temperature measurements in industrial processes, Micro-Epsilon has developed the three new pyrometers thermoMETER UC, SE and FI. They offer first-class temperature compensation and signal quality, optimum adaptability for OEM series applications as well as maximum performance and reliability.**

Industrial temperature-measuring devices are often exposed to demanding conditions such as high temperatures, dust, humidity and electromagnetic interference. The new thermoMETER UC (Universal Controller), SE (Separate Electronic) and FI (Fully Integrated) product series stand up to all of these challenges with a robust metal housing and excellent temperature stability – even at high ambient temperatures. The new generation of non-contact pyrometers measures surface temperatures from -50 to +1100 °C quickly and precisely with extremely high signal quality and signal stability.

**High-performance – modern – innovative**

With a temperature resolution of 50 mK, the new pyrometers measure extremely precisely and very quickly, thanks to a short response time of 20 ms. The three variants differ primarily in their design and therefore in their possible applications: The high-performance UC variant with a robust external controller for high temperature ranges, the miniature SE variant with a miniature controller in the cable as an easy-to-install solution and the fully integrated, compact FI solution with the sensor and controller in a single housing.

The parallel digital and analog operation and the integrated alarm function provide additional benefits. All models are preset at the factory and immediately ready for use. Customers benefit from simple calibration and parameterization options as well as extensive signal processing and setting options using the sensorTOOL software. Integration can take place through numerous interfaces – analog, digital, Ethernet and fieldbuses.

approx. 1,900 characters



(PR640\_thermoMETER.jpg)