PRESS RELEASE 08/11

Compact temperature sensors

Turck's new TTM-sensor family with processing electronics integrated into the M12x1-connector promises compact temperature measurement in the smallest space

Muelheim, July 14, 2011 – Turck has presented a new series of compact temperature sensors with processing electronics integrated into the M12x1-connector. The miniature series TTM uses Pt1000 measuring elements for precise temperature measurement in the smallest space. Being only 25 mm longer and 1.5 mm wider than a standard M12x1 connector, the fully encapsulated TTM sensors – not needing additional processing devices – provide an output signal of 4…20 mA in 2-wire technology.

Despite the compact design, the user still benefits from the usual flexibility of Turck temperature sensors. Like the TP sensors, the standard miniature transmitters work with mineral insulated probes and the probe length is selectable: In addition to standard probes with diameters of 3 mm and 6 mm and available in lengths of 100 mm and 150 mm, Turck offers screw-in type probes with G1/8“ male thread in lengths of 13 mm and 24 mm. Depending on the type, the transmitters are made for temperature ranges of -50…+50 °C, 0…+100 °C, 0…+150 °C and -50…+150 °C. Customized solutions are available on request. All standardized thermo wells and compression fittings from the Turck product portfolio can be used with the new TTM-family.

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Despite the integrated processing electronics, the screw-in type of the TTM-sensors is only slightly larger than a M12x1-connector

Text and image (300 and 72 dpi) can be downloaded on: www.turck.com/press

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