

PRESS RELEASE 07/12

Miniature Linear Position Sensors

Turck expands its LI-Q17 position sensor series for measuring ranges from 50 to 300 mm

Mülheim, March 22, 2012 – A new miniature linear position sensor with a 300 mm measuring range has been added to Turck's compact LI-Q17 series position sensors. The sensors operate on the resonant circuit measuring principle, in which the position is not detected with a magnetic positioning element but inductively via an oscillating system created by a capacitor and coil. The robust LI-Q17 in the fully encapsulated plastic housing is now available in five sizes with measuring ranges of 50, 100, 150, 200 and 300 mm for temperature ranges from -40 to +70 °C. The models come either with an optional standard analog output (0...10 V, 4...20 mA) or with a 0.5...4.5 V output.

In spite of their compact mounting form, Turck's new sensor series have extremely small blind zones of 10 mm at the connection end and 22 mm at the head end. The connection is implemented with a pigtail with 30 cm cable and M12 connector or with 2 m of open connection cable. Thanks to its intelligent mounting concept, the user can install and start the LI-Q17 with the supplied standard accessories quickly and simply – in all mounting situations. Stable metal clips that are simply snap fitted in the sensor housing enable either vertical or horizontal mounting. The electronic module in the positioning element is rotatable so that it can be positioned exactly as required by the mounting position. Special measuring ranges can be programmed exactly at the device for the particular requirement.



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Compact and interference immune sensor series for short measuring distances of 50 to 300 mm: Turck's LI-Q17 series

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