**Wear-free measurement: TR-Electronic presents linear absolute displacement transducer LMP48**

(Trossingen, 28.03.2014) The new linear absolute displacement transducer LMP48 from TR-Electronic provides for contactless and wear-free measurement of linear movements.

The new linear absolute displacement sensor LMP48 undertakes general positioning tasks in mechanical engineering, plastic injection machines, and feed and setting axes. Moreover, it can be used as an efficient and wear-free alternative to existing measurement sensors, such as potentiometers.

Contactless and wear-free measurement of linear movements ensures high machine availability. Thanks to linear absolute measurement even after a power failure, no initialisation of the machines is required.

The compact design of the LMP48 allows for unproblematic use even under limited space conditions. The flat profile housing with its clamp-on design makes mounting easy. The measurement profile can be adjusted to a variety of mounting situations by means of spacers. The device base can be mounted via clamping claws or on the rear side with slot nuts.

The new LMP48 linear absolute displacement transducer offers optimum value for money for a wide range of industrial applications. Easy connection via M12 standard plugs for all interfaces reduces costs.

The LMP48 allows for measuring lengths between 0.3 m and 3 m, with a resolution of 5/100 mm, and linearity from 0.01% FS. The wide choice of interfaces (Analog, SSI, CAN) offers flexible fields of application. The LMP48 is resistant to vibrations and temperature fluctuations, protection class IP 67 guarantees reliable tightness of the system.

An extensive selection of magnets and magnet slides is available for the LMP48.

With the new LMP48 linear absolute displacement transducer, TR Electronic is expanding its comprehensive programme of magnetostrictive linear encoders for a variety of applications. A highlight of the wide range of products, for instance, is the cascadable linear measurement system LMC55 for enormous measuring lengths of up to 20 m. LMC55 captures up to 30 positions simultaneously and is suited, by way of example, for adjusting the blades in roll cutting machines or as wear-free vertical axes in high-rack storage areas.

For further information:  
www.tr-electronic.de

ABBREVIATED VERSION

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The new linear absolute displacement sensor LMP48 undertakes general positioning tasks in mechanical engineering, plastic injection machines, and feed and setting axes. Moreover, it can be used, for instance, as a wear-free alternative to potentiometers.

Contactless and wear-free measurement of linear movements increases machine availability. No initialisation of the machines is required even after a power failure.

The compact design of the LMP48 allows for unproblematic use even under limited space conditions. The flat profile housing with its clamp-on design makes mounting easy. The measurement profile can be adjusted to a variety of mounting situations by means of spacers. Easy connection via M12 standard plugs reduces costs.

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