



Compact linear measuring system for cylinder installation

The non-contact and non-wearing magnetostriction sensors by TR-Electronic are characterized by position detection directly in the hydraulic cylinder. The new LMR46 series features the flange versions of the LA46 series and combines them with the cost-effective and compact LMR scanner which excellently covers a plurality of standard applications in industry.

During assembly in the hydraulic cylinder, the jacket tubes are subject to oil pressure. Stainless steel and a pressure test of the welds ensure a long service life without leaks. Metric and UNF flange threads fit into commercial hydraulic cylinders with hollow-bored piston rod. Owing to various thread lengths and clearance grooves having different radii for sealing rings, the linear sensors of the LMR46 series are directly compatible with many cylinders available on the market. The sensor head is accessible from outside the hydraulic cylinder and is connected using M12 connectors which, when installed, are able to withstand even the harshest environmental conditions. The position signal is transmitted either as an analog signal, as a synchronous serial signal (SSI) or as a CAN signal.

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