

# When compatibility becomes key

## LMRS41H for existing protective tubes

The requirements for modern hydraulic systems are clear: precise, low maintenance, and durable. With the LMRS41H series, TR-Electronic offers an absolutely linear measuring system that not only stands out thanks to its robust sensor platform, but now also thanks to a new form of compatibility.

### Proven principle – now even more flexible

The separable protective tube has long been established at TR-Electronic: it allows the sensor to be replaced without opening the hydraulic system – the oil remains in the system and the mechanics remain untouched. What is new, however, is that TR-Electronic can now supply sensor elements that fit into existing protective tubes – even if they are not from TR.

### Second source for existing systems

This expansion makes the LMRS41H series a true second source solution:

- For existing systems with third-party components
- For new plants with a focus on supply security
- For operators who want to minimize risks with spare parts

### How it works

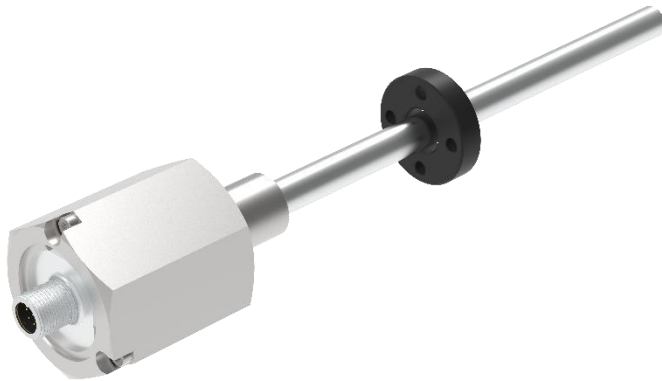
- The customer specifies the rod and measuring length
- TR-Electronic supplies the appropriate sensor system with adapter plate
- A protective tube for transport replaces the existing sheath tube

### Your advantages at a glance

- Robust sensor platform for harsh industrial environments
- Clean replacement without interfering with the hydraulic system
- Compatible with existing protective tubes – including those from third-party suppliers
- Risk diversification for spare parts and long-term availability

With this further development, TR-Electronic demonstrates how sophisticated sensor technology not only measures precisely, but also paves the way for flexible, sustainable machine concepts.

TR Electronic GmbH  
Eglishalde 6  
78647 Trossingen



Non-contact linear sensor with separable protective tube LMR541H.