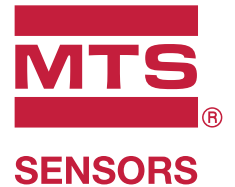


# Temposonics®

Magnetostrictive Linear Position Sensors



## E-Series IO-Link Product Brief

- ▶ Linear, absolute position measurement
- ▶ Operating temperature up to +75 °C (+ 167 °F)
- ▶ Small & compact
- ▶ No recalibration or maintenance required



The Temposonics® E-Series are very compact sensor models suitable for situations where space-constrained mounting is a critical factor. With a variety of housing styles, the E-Series IO-Link meets the needs of various industrial applications.

The E-Series IO-Link will be available as rod model for in-cylinder integration (EH), as profile model (EP, EP2 and EL) and as an aluminum cylinder with a guided driving rod which contains both the sensor element and the electronics (ER).

### IO-LINK

IO-Link is an open standard according to IEC 61131-9. It is a serial, bi-directional point-to-point connection for signal transmission and energy supply. The bi-directional communication enables consistent communication between sensors and the controller as well as consistent diagnostic information down to the sensor level. The connection is made using commercially available unshielded standard sensor cables.

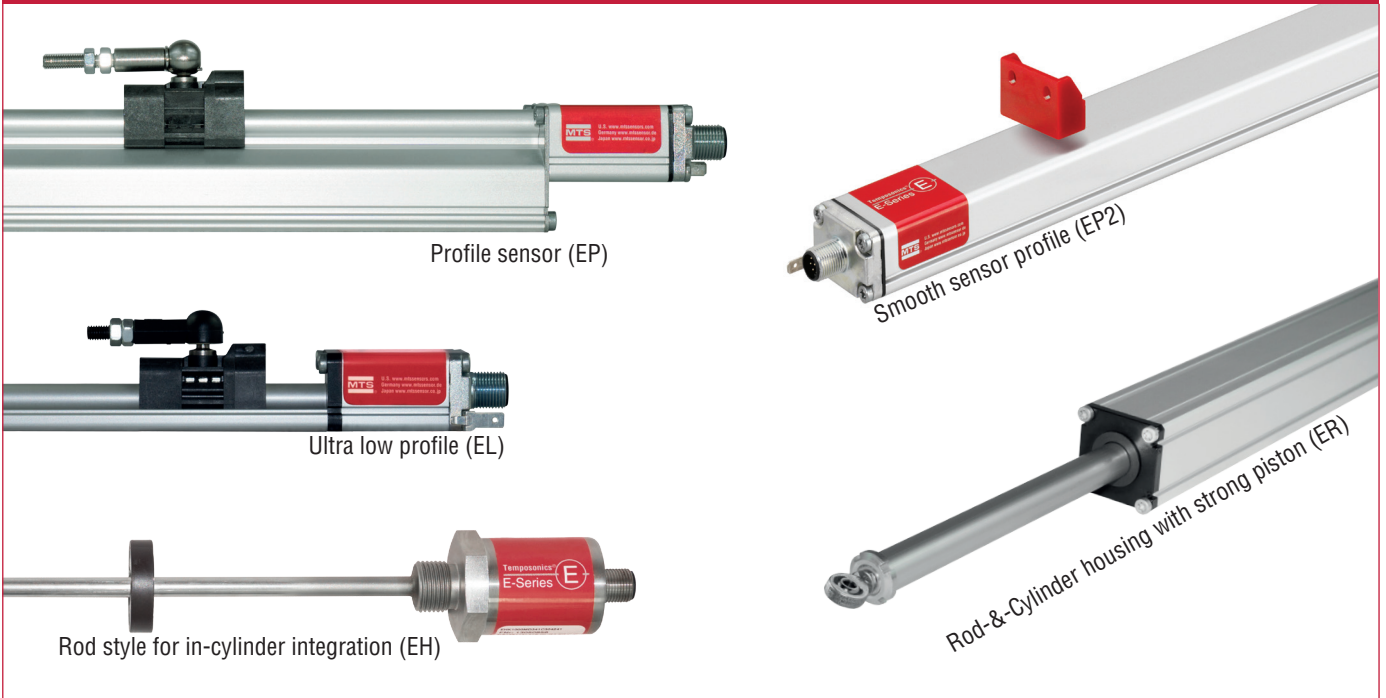
### TYPICAL APPLICATIONS

Typical applications for E-Series IO-Link sensors are plastics processing, food & beverage processing, control systems and packaging.

## Features

Measured value	Position
Output	IO-Link 1.1
Data transmission rate	COM3 (230.4 kBaud)
Linearity	EH, EP, EL, ER: $\leq \pm 0.02\%$ F.S. (minimum $\pm 60\ \mu\text{m}$ ) EP2: $\leq \pm 0.02\%$ F.S. (minimum $\pm 90\ \mu\text{m}$ )
Operating temperature	$-40\dots+75\ \text{°C}$ ( $-40\dots+167\ \text{°F}$ )
Stroke length	EH, EP, EP2, EL: 50...2540 mm ER: 50...1500 mm
Connection type	4 pin connector M12

## Housing style references



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ISO 9001  
 CERTIFIED



Reg.-No. 003095-QM08

 **IO-Link**