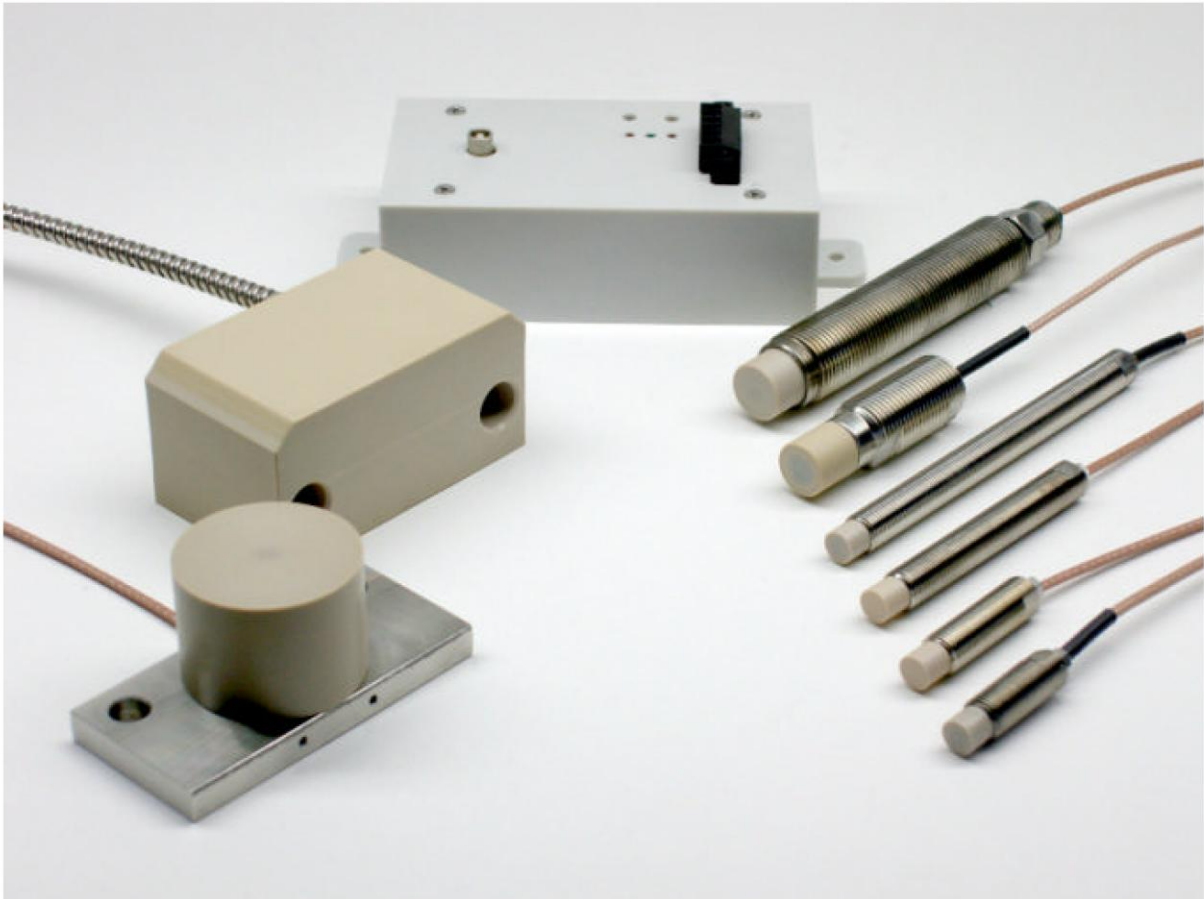




Temperature-resistant Proximity Sensors MNH



MNH proximity sensors

- ? Measurement of displacement, expansion, vibration and rotation
- ? Contact-less eddy-current sensing technique
- ? Range up to 40 mm and more
- ? Temperature range up to 180°C, special versions up to 230°C
- ? Large dynamic range
- ? Protection level IP67
- ? Rugged design
- ? Standard, OEM and custom models
- ? Sensor conditioner, with optional linearisation and adjustable trip points



Temperature-resistant Proximity Sensors MNH

Specifications ¹⁾

	MNH 2	MNH 4	MNH 8	MNH 10
Nominal range ²⁾	(2) +/-1 mm	(4) +/-2 mm	(8) +/-4 mm	(10) +/-5 mm
Sensitivity ³⁾	8 V/mm	4 V/mm	2 V/mm	1,6 V/mm
Case	M10, M12 or UNF	M18 or UNF	Ø 40 mm on base 80x40mm	Cuboid
Head	Ø 8 mm	Ø 14 mm	Ø 40 mm	(Ø 40 mm)
Material	case: stainless steel, head: PEEK			
Temperature range	-30°C ... +180°C, special versions up to +230°C (head)			
Linearity	Up to +/-2% FSO, dep. on converter			
Dynamic range	Up to 10 kHz, dep. on converter			
Protection	IP 67			
Connection	FEP-coax wire, LEMO connector; optional metal sleeving			

1) reference material 42CrMo4 (1.7225)

2) range extendable (2 to 4 x) with suitable conditioner

3) with adjustment acc. to API 670

Sensor conditioner MNHCON (see data sheet for details)

- ? Operates eddy-current sensors (~1 Mhz)
- ? Optional linearisation function
- ? Supply: +24 VDC
- ? Output: 4 ... 20 VDC, 0 ... 10 VDC or 4 ... 20 mA
- ? Optional: adjustable trip points with LED indication

Accessories

Extension cable