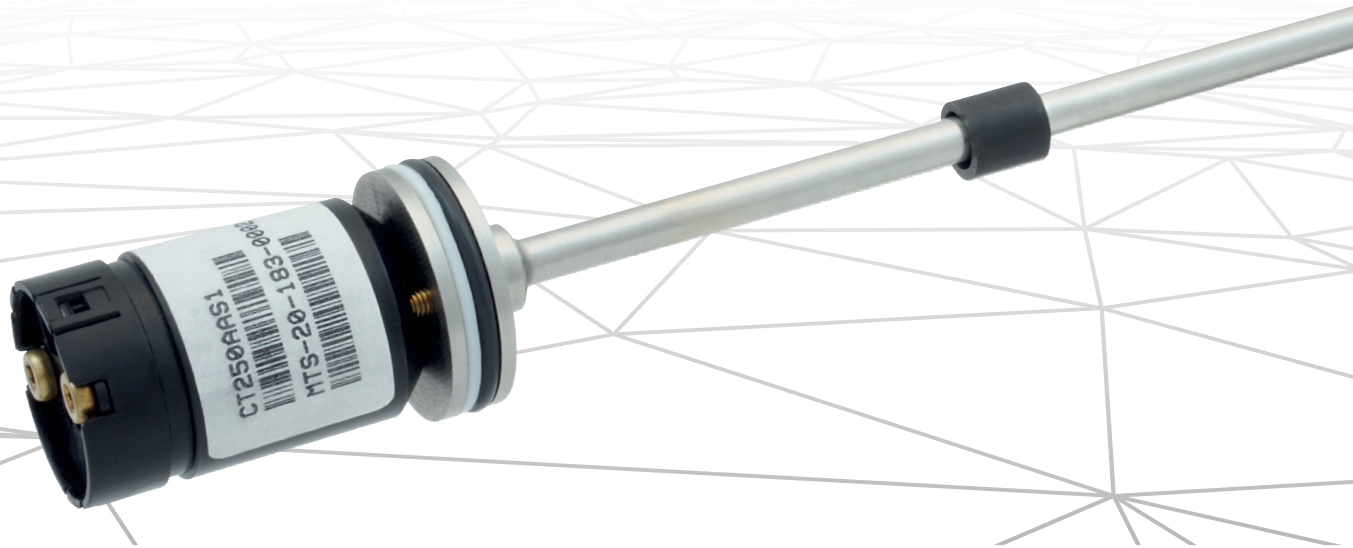


C-Series Off-Highway Product Brief



The Temposonics® C-Series is the smallest sensor series on the market that offers all the advantages of magnetostrictive measurement technology. The C-Series Off-Highway is intended for battery powered applications with an operational voltage of 12/24 VDC. The size of the sensor is ideal for installation in small cylinders where it can accurately measure stroke lengths up to 275mm. It is designed to withstand the shock and vibration of harsh off-highway environments, and features an EMI resistance of 200 V/m. Due to the contact-free measuring principle, the sensor is completely wear-free and does not have to be readjusted again.

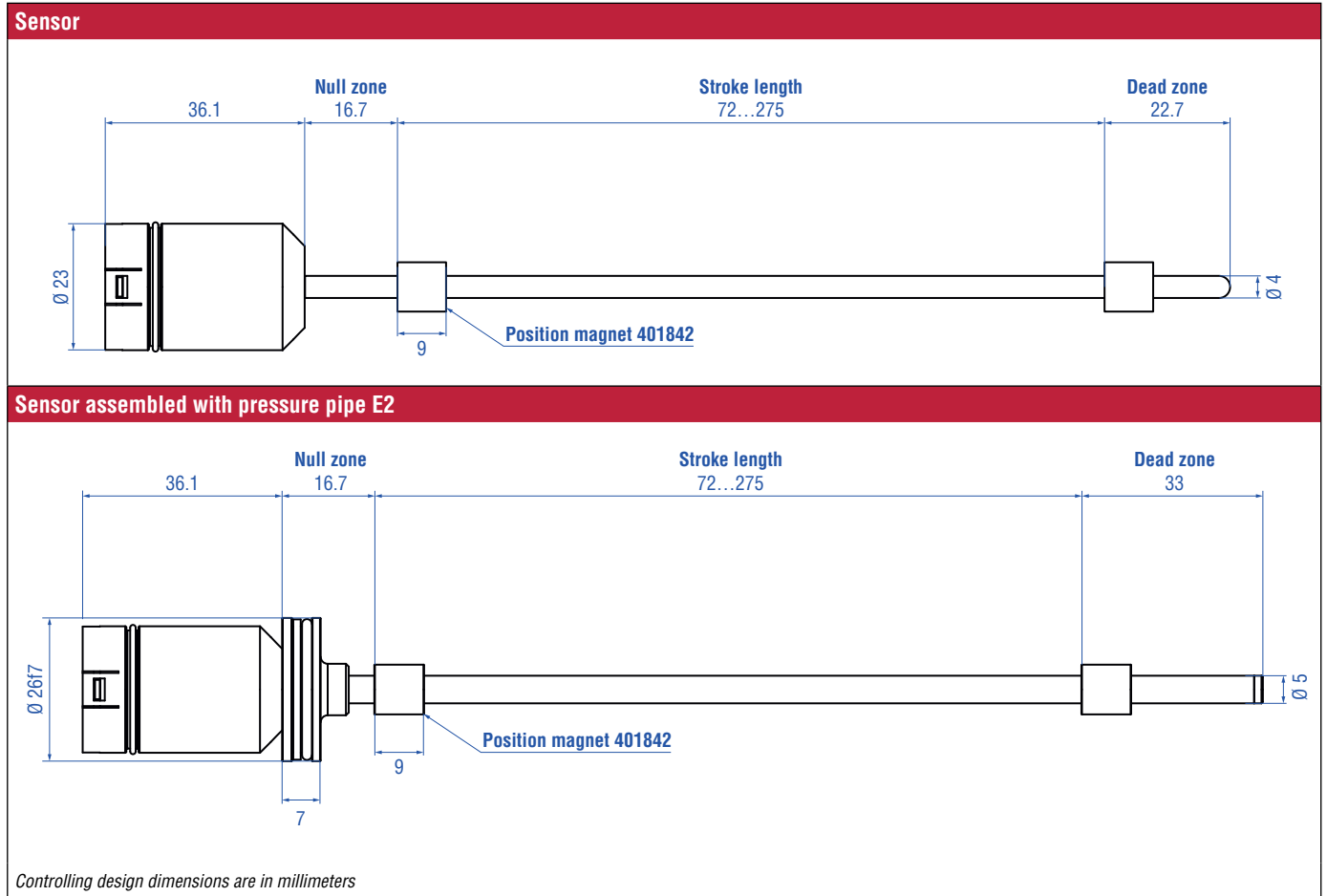
TYPICAL APPLICATIONS

The Temposonics® C-Series Off-Highway sensor is used in rugged applications found on mobile paving machines, agricultural equipment, watercraft, recreational vehicles, and others. It is ideal for measuring small cylinder strokes that are restricted by size and weight.

FEATURES

- Operating voltage: 12/24 VDC (8...32 VDC)
- Output: Analog (4...20 mA)
- Measured value: Position
- Resolution: < 0.3 mm
- Stroke length: 72, 109, 128, 148, 162, 186, 194, 217, 250, 275 mm
- EMC:
 - ISO 13766-1:2018
 - EN ISO 14982:2009
 - EN 13309:2010
 - ISO 16750-2:2012
- Connection type: 4 pin connector and optional cable with M12 connector (IP69K with mating M12 connector)

TECHNICAL DRAWING



ACCESSORIES

Position magnets		
Ring magnet O.D. 09 mm Part no. 401 842	Ring magnet O.D. 28 mm Part no. 400 424	Ring magnet O.D. 20 mm Part no. 254 012
Cable	Flange	
C-Series Sensor to M12 connector Part no. 201 989-1 (50 mm) Part no. 201 989-2 (75 mm) Part no. 201 989-3 (100 mm) Part no. 201 989-4 (150 mm)	M12 Flange Part no. 253 769	
<i>M12 flange ordered separately</i>		

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