

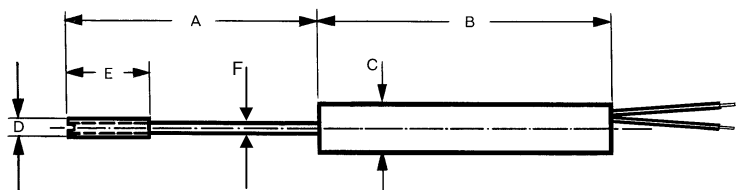
### Inductive miniature half-bridge sensor

- Very compact design
- Nominal stroke  $\pm 0,5$  or  $\pm 1,0$  mm

### Technical data

		WM 1	WM 2
Nominal stroke	mm	$\pm 0,5$	$\pm 1$
Mechanical stroke	mm	3	3
Dimension A (electrical zero of core)	mm	25	25
Dimension B (overall length)	mm	15	15
Dimension C (diameter)	mm	10	10
Dimension D (size of male union)	mm	M 3	M 3
Dimension E (length of male union)	mm	10	10
Dimension F (core rod / core)	mm	1 / 2	1 / 2
Sensor weight (approx.)	g	6	6
Core weight (approx.)	g	1	1
Nominal output (approx.)	mV/V	40	80
Sensitivity (approx.)	mV/V/mm	80	80
Excitation voltage	$V_{eff}$	1 ... 5 V	
Carrier frequency	kHz	5 ... 10 kHz	
Linearity		0,5% FSO	
Temperature coefficient of zero		$\pm 0,05\%/10K$	
Temperature coefficient of span		$\pm 0,1\%/10K$	
Operating temperature		$-50^{\circ}C \dots +80^{\circ}C$	
Protection		IP 64	

### Mechanical drawing



### Connection

	Leads
Type of connection	PTFE leads 250 mm long
Configuration	<div style="display: flex; justify-content: space-around; align-items: center;"> <span>red</span> <span>white</span> <span>blue</span> </div>
Excitation +	Blue
Excitation -	Red
Measuring signal +	White
Measuring signal -	-