



## Inductive Displacement Transducer

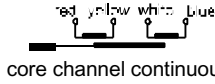
### Differential inductor type

# WLH

# MESSOTRON

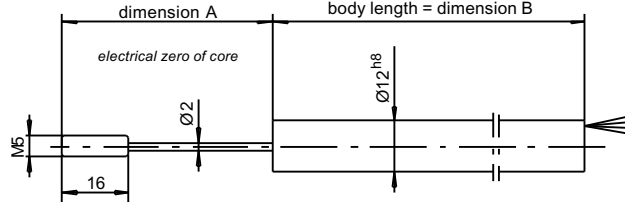
### Braided wire interface

Teflon® braided wire 250 mm long



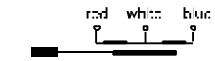
core channel continuous

Example: WLH 100 0.5%

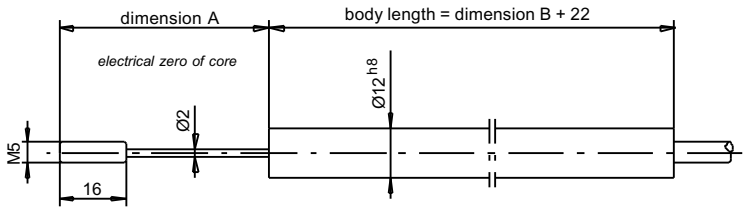


### Axial wire interface

PE-cable 2.5 m long;  
optional: oil- and temperature resistant Teflon-cable  
core channel non-continuous

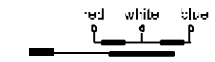


Example: WLH 100 K 0.25%

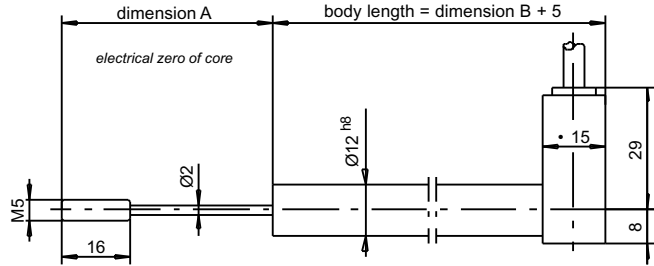


### Radial wire interface

PE-cable 2.5 m long;  
optional: oil- and temperature resistant Teflon-cable  
core channel continuous

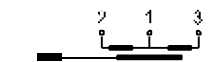


Example: WLH 100 Q 0.1%

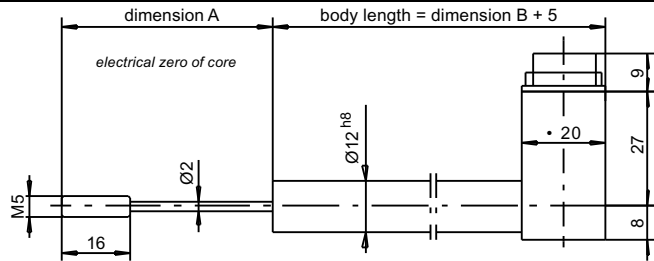


### Radial connector interface

mating connector provided



core channel continuous



		WLH 10	WLH 20	WLH 50	WLH 100	WLH 150	WLH 200	WLH 250	WLH 300	WLH 400	WLH 500
<b>Nominal stroke</b>	mm	±5	±10	±25	±50	±75	±100	±125	±150	±200	±250
<b>Maximum stroke **)</b>	mm	20	30	60	120	170	220	270	320	420	520
<b>Dimension A</b>	mm	40	40	50	100	130	150	180	200	250	300
<b>Dimension B</b>	mm	80	100	145	245	355	455	565	675	875	1065
<b>Transducer weight</b>	g	40	60	85	120	150	200	230	280	350	440
<b>Plunger weight</b>	g	6	8	9	12	15	20	25	30	40	50
<b>Nominal output signal</b>	mV/V	90	140	250	300	310	320	340	340	310	340
<b>Sensitivity</b>	mV/V/mm	18	14	10	6	4	3.2	2.7	2.2	1.5	1.7
<b>Excitation voltage</b>		1 ... 5 Veff									
<b>Excitation frequency</b>		5 ... 10 kHz									
<b>Linearity *)</b>		±0.5% F.S.O.; options: 0.25% and 0.1%									
<b>Temperature coefficient of zero</b>		±0.02% / 10K									
<b>Temperature coefficient of span</b>		±0.05% / 10K									
<b>Operational temperature *)</b>		-50°C ... +80°C; option: up to 120°C									
<b>Protection class (DIN 40050)</b>		IP 64									

\*) Select option when ordering

\*\*) Not for inner end position with axial cable interface

<h2 style="margin: 0;">Series WLH</h2> <h3 style="margin: 0;">10 ... 500 mm</h3>	<p style="margin: 0;">Data Sheet</p> <h2 style="margin: 0;">16.41.05</h2> <p style="margin: 0;">Date 03/94</p> <p style="margin: 0;">Previous issues: 16.41.00; 16.41.03</p>
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Example: WLH 100 R 0.25%


Design of transducers can be customised

Subject to alteration  
11/01

