

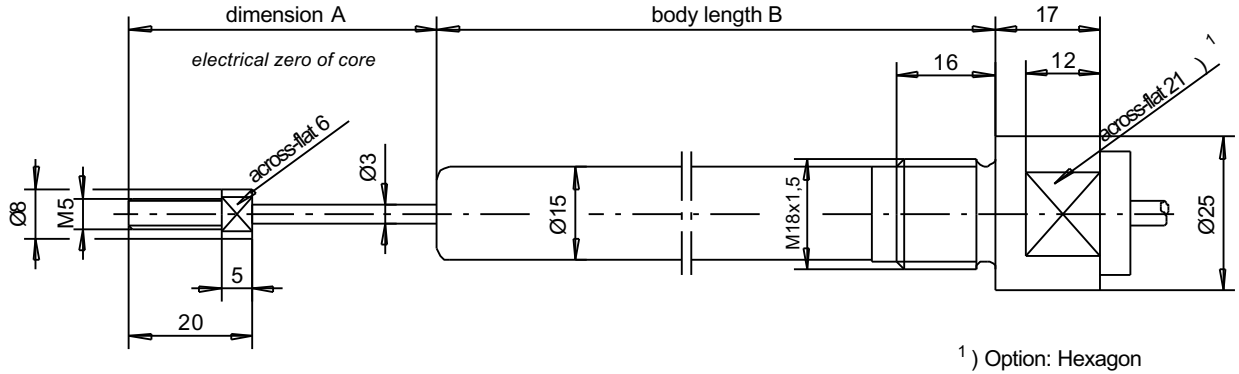


# Inductive Transducer

for hydraulic and pneumatic cylinder applications

## DGB (pressure-proof up to 300 bar)

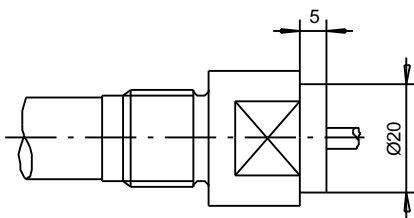
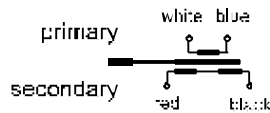
MESSOTRON



### Wire interface

teflon cable 2.5 m long

Connection:

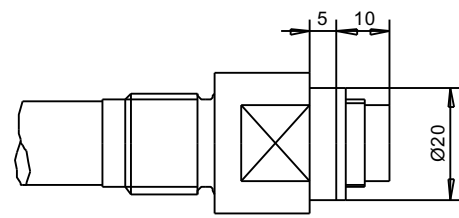
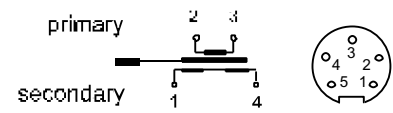


Example: DGB 50 K 0.25%

### Connector interface

mating connector supplied

Connection:



Example: DGB 50 BX 0.5%

		DGB 25	DGB 50	DGB 100	DGB 150	DGB 200	DGB 250	DGB 300	DGB 400
Electrical stroke	mm	±12,5	±25	±50	±75	±100	±125	±150	±200
Max. mechanical stroke	mm	30	55	105	160	210	260	320	420
Dimension A	mm	40	55	80	105	130	155	180	230
Mounting length B	mm	80	120	160	240	320	400	480	620
Transducer weight	g	450	500	550	650	800	900	1050	1250
Plunger weight	g	12	14	16	20	25	28	30	35
Excitation voltage	1 ... 5 Veff								
Excitation frequency *)	5 kHz, option: 10 kHz								
Static resolution	virtually infinite								
Recommended amplifier	MBI 46.31								
Non-linearity *)	±0.5% F.S.O., option: ±0.25%								
Temperature coefficient of zero	±0.04% / 10K								
Temperature coefficient of span	±0.1% / 10K								
Pressure resistance	operating pressure 300 bar; test pressure 450 bar								
Operational temperature *)	-40°C ... +80°C, option for wire interface: up to 120°C								
Protection Class (DIN 40050)	IP 65								

\*) select option when ordering

	<p><b>DGB Series</b></p> <p><b>25 ... 400 mm</b></p>	<p>Drawing</p> <p><b>28.32.03</b></p>
		<p>Date 03/96</p> <p>Previous issues 28.32.01/02</p>