

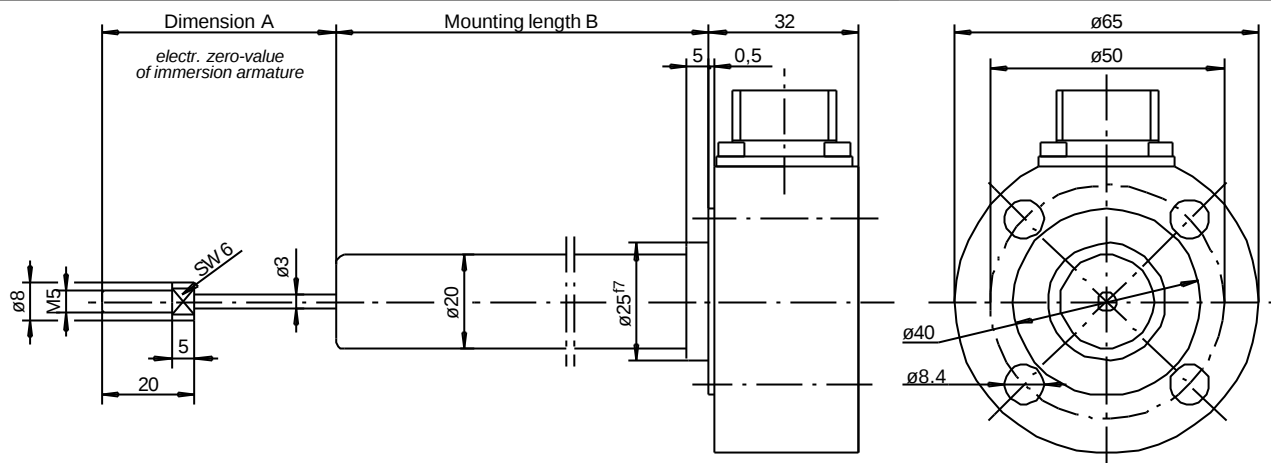
Inductive Displacement Transducer

for cylinder mounting in hydraulics and pneumatics

DPH

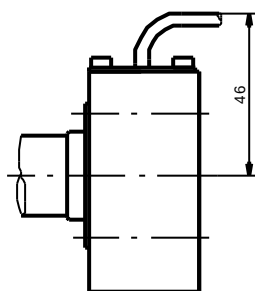
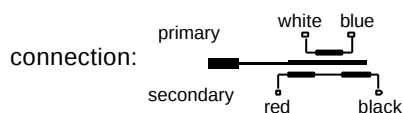
(pressure resistant up to 320 bar)

MESSOTRON



radial wire interface

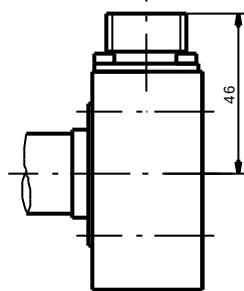
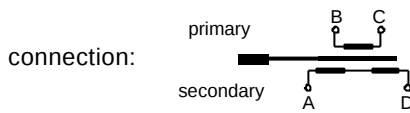
teflon® cable 2,5 m long



Example: DPH 100 Q 0,5%

radial connector interface

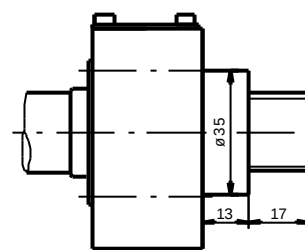
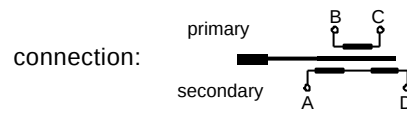
mating connector supplied



Example: DPH 100 R 0,25%

axial connector interface

mating connector supplied



Example: DPH 100 AX 0,1%

		DPH 25	DPH 50	DPH 75	DPH 100	DPH150	DPH 200	DPH 250	DPH 300
Electrical stroke	mm	±12,5	±25	±37,5	±50	±75	±100	±125	±150
Max. mechanical stroke	mm	30	55	80	110	160	220	280	340
Dimension A	mm	40	50	65	80	110	140	170	200
Mounting length B	mm	70	140	185	260	380	500	620	740
Transducer weight	g	1000	1100	1150	1250	1450	1650	1800	2000
Plunger weight	g	14	16	18	23	28	30	35	40
Excitation voltage	1 ... 5 Veff								
Excitation frequency*)	5 kHz option: 10 kHz								
Static resolution	virtually infinite								
Recommended amplifier	MBI 46.31								
Linearity *)	±0,5% F.S.O: options: ±0,25%; ±0,1%								
Temperature coefficient of zero	±0,1% / 10K								
Temperature coefficient of span	±0,15% / 10K								
Pressure resistance	operating pressure 320 bar; test pressure 450 bar								
Operational temperature*)	-40°C ... +80°C, option: up to 120°C								
Protection class (DIN 40050)	IP 65								

*) select option when ordering

MESSOTRON
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Friedr.-Evert-Str. 37, Tel.: (05257) 82331
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DPH Series
25 ... 300 mm

Drawing
28.27.00

Date 12/99
Previous issue: 28.24.00

Design of transducers can be customised

Subject to change without prior notice