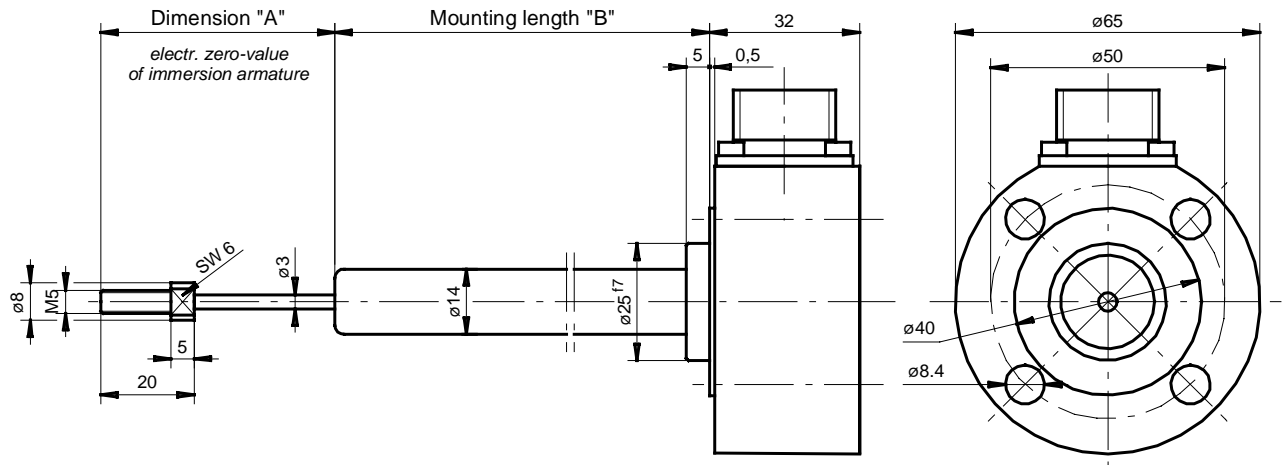


Inductive Transducer

for cylinder mounting in hydraulics and pneumatics

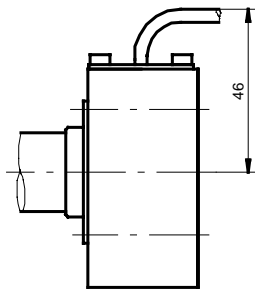
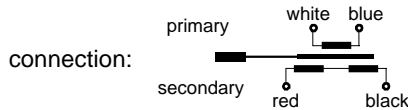
DPN (pressure proof up to 160 bar)

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radial wire interface

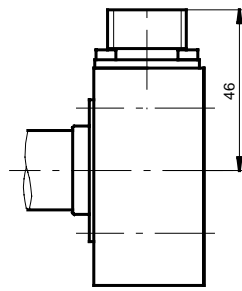
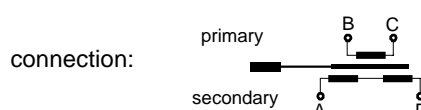
teflon cable 2,5 m long



Example: DPN 150 Q 0,25%

radial connector interface

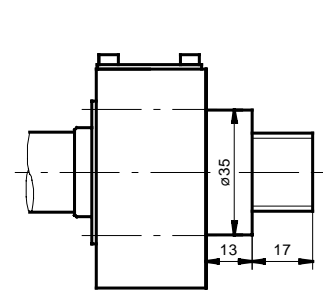
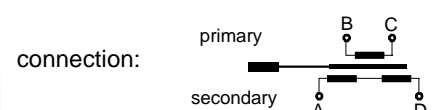
mating connector supplied



Example: DPN 150 R 0,25%

axial connector interface

mating connector supplied



Example: DPN 150 AX 0,25%

		DPN 25	DPN 50	DPN 100	DPN 150	DPN 200	DPN 250	DPN 300
Nominal stroke	mm	±12.5	±25	±50	±75	±100	±125	±150
Maximum stroke	mm	30	55	105	160	210	260	320
Dimension A	mm	40	55	80	105	130	155	180
Mounting length B	mm	60	100	140	220	300	380	480
Transducer weight	g	700	730	750	830	870	900	950
Plunger weight	g	12	14	16	20	25	28	30
Excitation frequency *)		5 kHz option: 10 kHz						
Output signal (5 kHz) (approx.)	mV/V	100	110	140	125	130	135	140
Output signal (10 kHz) (approx.)	mV/V	100	100	135	140	140	160	210
Recommended amplifier		MBI 46.31						
Excitation voltage		1 ... 5 V eff.						
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 160 bar; test pressure 200 bar						
Operational temperature *)		-40°C ... +80°C, option: up to 120°C						
Protection class (DIN 40050)		IP 64						

*) select option when ordering

MESSOTRON
Hennig GmbH & Co. KG
Industrie-Messtechnik
Friedr.-Ebert-Str. 37, Tel.: (06257)82331
D-64342 Seeheim-Jugenheim

DPN Series
25 ... 1000 mm

Drawing
28.26.01
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Date 03/96

Design of transducers can be customised

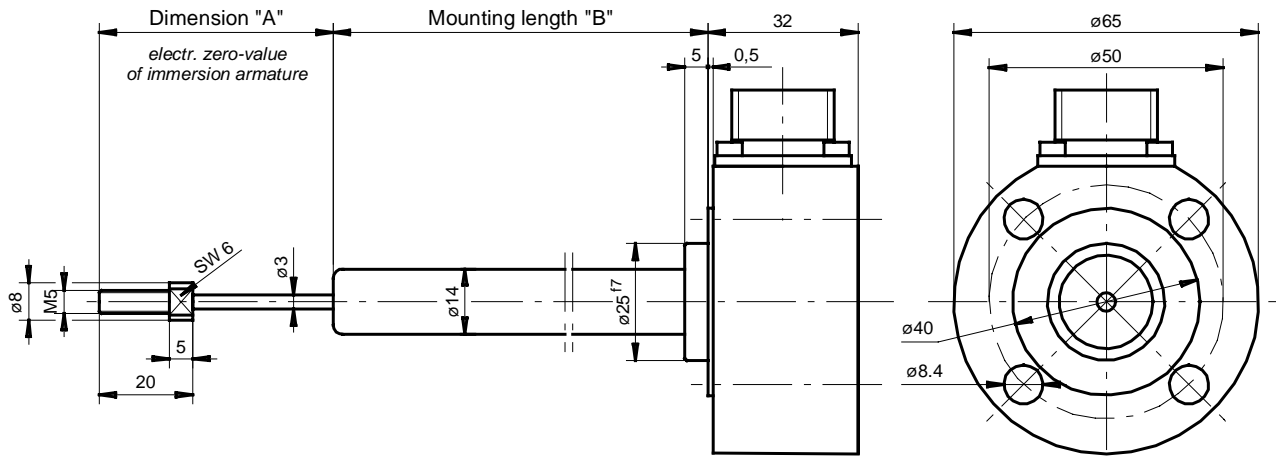
Subject to change without prior notice

Inductive Transducer

for cylinder mounting in hydraulics and pneumatics

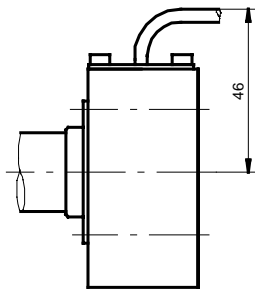
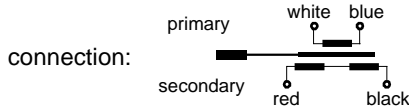
DPN (pressure proof up to 160 bar)

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radial wire interface

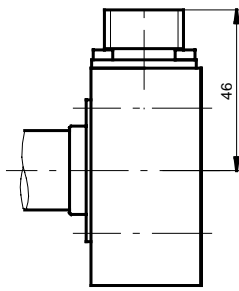
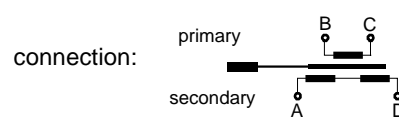
teflon wire 2,5 m long



Example: DPN 500 Q 0,25%

radial connector interface

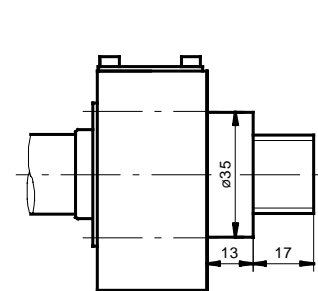
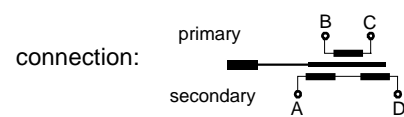
mating connector supplied



Example: DPN 500 R 0, 5%

axial connector interface

mating connector supplied



Example: DPN 500 AX 0,25%

		DPN 400	DPN 500	DPN 600	DPN 800	DPN 1000
Nominal stroke	mm	±200	±250	±300	±400	±500
Maximum stroke	mm	420	520	630	830	1030
Dimension A	mm	230	280	340	440	540
Mounting length B	mm	600	730	860	1120	1400
Transducer weight	g	1050	1150	1250	1400	1600
Plunger weight	g	35	40	50	65	80
Excitation frequency *)		5 kHz option: 10 kHz		5 kHz		
Output signal (5 kHz) (approx.)	mV/V	150	160	175	175	175
Output signal (10 kHz) (approx.)	mV/V	210	250	---	---	---
Recommended amplifier		MBI 46.31				
Excitation voltage		1 ... 5 V eff.				
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 160 bar; test pressure 200 bar				
Operational temperature*)		-40°C ... +80°C, option: up to 120°C				
Protection class (DIN 40050)		IP 64				

*) select option when ordering

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DPN Series
25 ... 1000 mm

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