Inductive Transducer

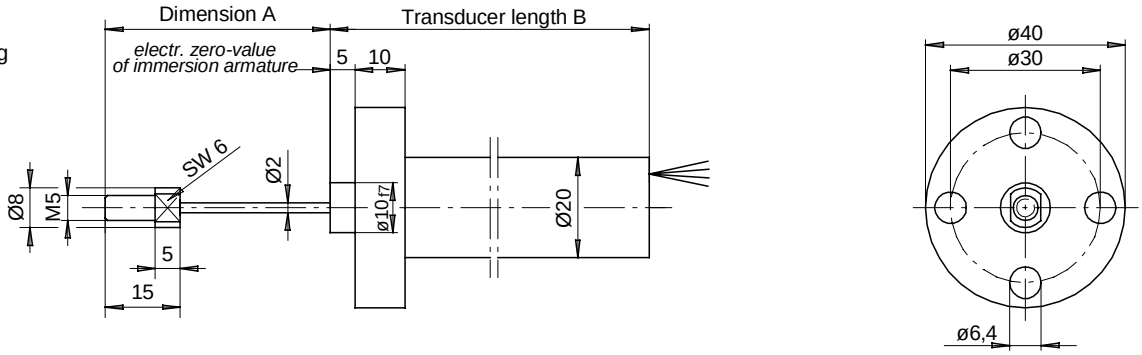
for Valve- and Bulb Measurements

DF (pressure resistant up to 350 bar)

MESSOTRON

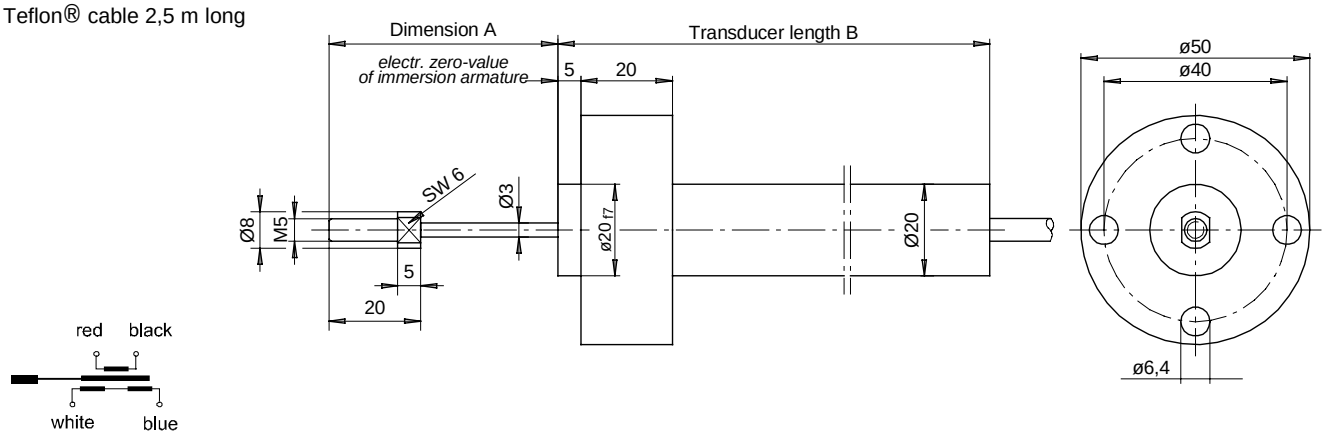
Dimensions for DF 2 ... DF 20

Teflon® braided wire 250 mm long



Dimensions for DF 25 ... DF 125

Teflon® cable 2,5 m long



		DF 2	DF 4	DF 6	DF 10	DF 15	DF 20	DF 25	DF 50	DF 65	DF 80	DF 100	DF 125
Nominal range	**mm**	±1	±2	±3	±5	±7,5	±10	±12,5	±25	±32,5	±40	±50	±62,5
Max. stroke	**mm**	3	5	8	12	18	22	30	55	70	90	110	140
Dimension A	**mm**	20	20	20	30	30	40	40	80	80	85	100	100
Dimension B	**mm**	45	65	80	100	125	145	165	245	310	425	425	560
Transducer weight	**g**	200	260	300	340	420	490	600	700	900	1100	1100	1300
Immersion armature weight	**g**	2	3	4	10	14	20	20	25	35	45	55	60
Supply voltage	**V eff**	up to 5											
Excitation frequency *)	**kHz**	5 kHz option: 10 kHz											
Static resolution		continuous											
Recommended amplifier		MBI 46.31											
Non-linearity *)		±0.5% of measuring range option: 0.25%											
Temperature error of zero position		±0.1% / 10K											
Temperature error of sensitivity		±0.15% / 10K											
Operating temperature *)		-20°C ... +80°C Option: 120°C											
Protection class (DIN 40050)		IP 65											
Maximum pressure		Operating pressure 300 bar; test pressure 450 bar						Operating pressure 350 bar; test ressure 500 bar					
Electrical connection **)		braided wire 250 mm						axial cable 2.5 m					

*) select option when ordering **) Other connections possible

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

DF Series
2 ... 125 mm

Drawing
28.11.10

Date 03/95
Previous issue: 28.11.00 / 28.12.00

Design of transducers can be customised

Subject to alteration
02/99