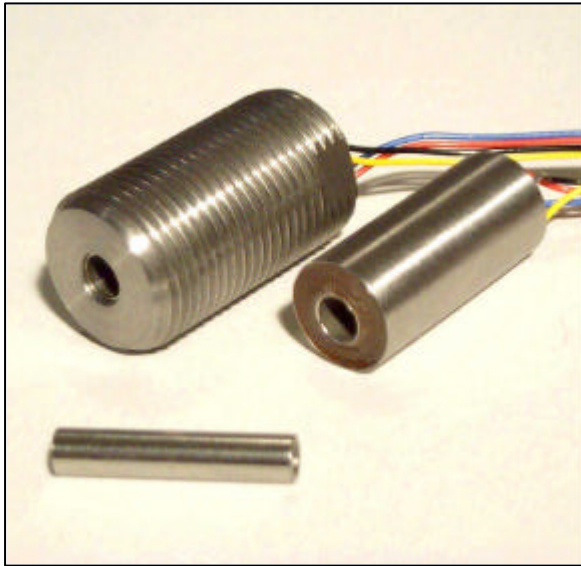


Inductive Displacement Sensor

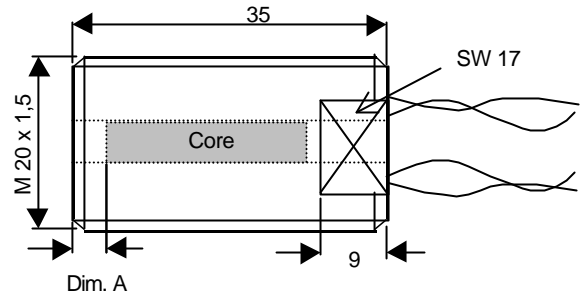
for hydraulic and pneumatic applications

DM (pressure resistant up to 200 bar)

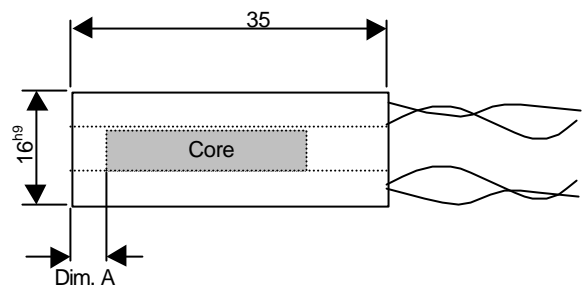
MESSOTRON



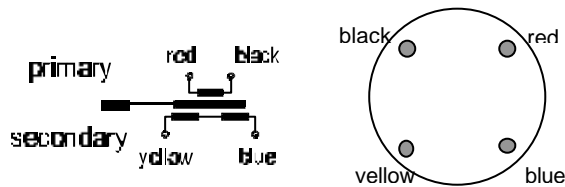
DM 16 G Threaded case



DM 16 Standard case

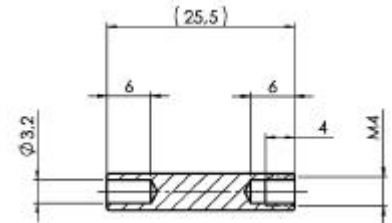


Leads connection



Core

magnet. steel



		DM 16	
Nominal stroke up to	mm	±8 (= 16)	
Ext. stroke up to (frequency- dependent)	mm	±10 (= 20)	
Dimension A	mm	±0.5 mm	2,4
Transducer weight	g	approx.	50
Core weight (w/o rod)	g	approx.	3
Sensitivity	mV/V/mm	typical	40
Primary impedance (core @ zero)	Ohm		> 400
Excitation	V _{eff}	max.	20
Excitation frequency	kHz		1 ... 10
Non-linearity for ±5 mm stroke	% ref. to	±8 (= 16)	±1,0
Non-linearity above ±5 mm stroke			frequency dependent
Operating temperature	°C		-30 ... +100
Protection class			IP 68

Note: Use non-magnetic material for core rod

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 Friedr.-Ebert-Str. 37, Tel.: (05257) 52331
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DM series
 16 mm

Data sheet
 21.01.00

Issue 03/03

Design can be customized

Subject to change without prior notice

06/03