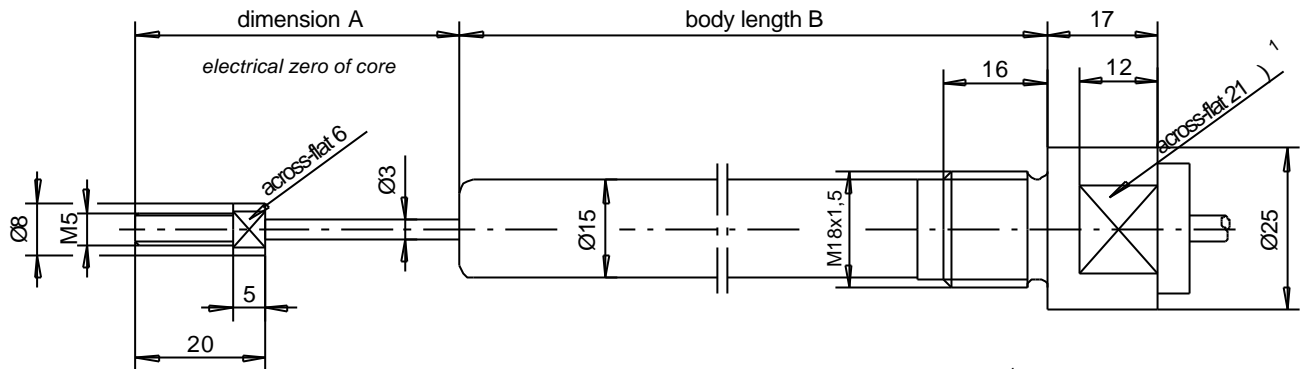


Inductive Transducer

for hydraulic and pneumatic cylinder applications

DGB (pressure-proof up to 300 bar)

MESSOTRON

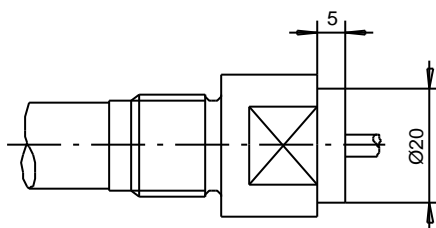
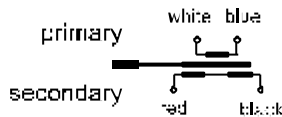


¹⁾ Option: Hexagon

Wire interface

teflon cable 2.5 m long

Connection:

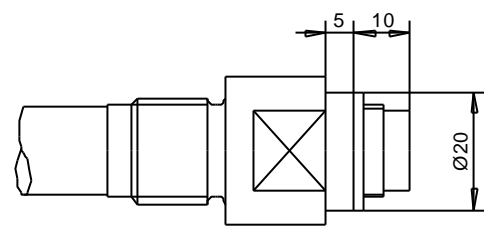
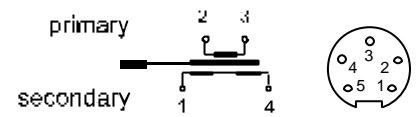


Example: DGB 50 K 0.25%

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

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

DGB Series
25 ... 400 mm

Drawing
28.32.03

Date 03/96
Previous issues 28.32.01/02

Design of transducers can be customised

Subject to alteration