



Inductive (spring-loaded) Probe

Half-bridge type; calibrated to 80 mV/V

WTG / WTH

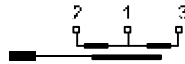
MESSOTRON



axial connector (LX)

mating connector supplied

connection:



axial cable (K)

PE-cable 2,5m long

optional:

oil-resistant and high-temperature PTFE cable

connection:

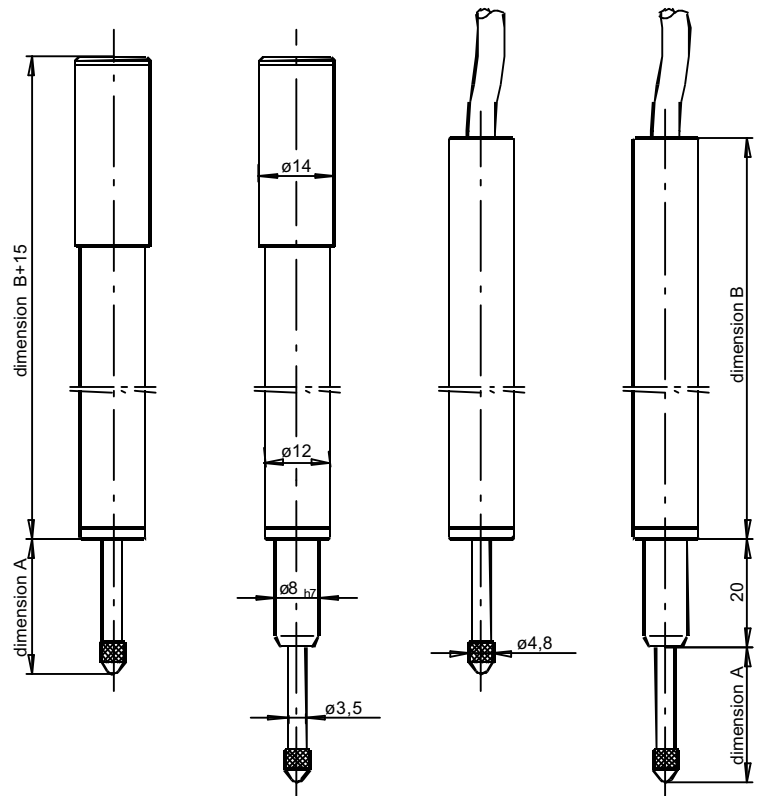


mechanical versions:

WTG standard

WTH shank $\varnothing 8 \times 20$

Customised dimension A available on request



Example for ordering:

WTG 10 LX 0,5% WTH 10 LX 0,25% WTG 5 K 0,1% WTH 5 K 0,5% 120°C

		WTG / WTH 5	WTG / WTH 10	WTG / WTH 20	WTG / WTH 50	WTG / WTH 100
Nominal stroke	mm	±2,5	±5	±10	±25	±50
Maximum stroke	mm	±3,5	±6	±11	±26	±52
Dimension A ***)	mm	12	15	20	35	65
Dimension B ***)	mm	82	135	167	245	405
Spring force at zero (approx.) ***)	N	0,14	0,2	0,3	0,3	0,6
Spring constant (approx.) ***)	cN/mm	2	2	2	1	1
Transducer weight (approx.)	g	50	80	90	130	200
Core weight (approx.)	g	6	12	15	18	28
Nominal output signal **)	mV/V	80	80	80	80	80
Sensitivity (approx.)	mV/V/mm	32	16	8	3,2	1,6
Excitation voltage	V eff	up to 5				
Excitation frequency	kHz	5 ... 10				
Linearity *)		0,5% of F.S.O. Option 0,25% and 0,1%				
Temperature coefficient of zero		±0,02% / 10K				
Temperature coefficient of span		±0,05% / 10K				
Operating temperature *)		-50°C ... +80°C Option: up to 120°C				
Protection class (DIN 40050)		IP 54				

*) select option for ordering

**) calibration accuracy: ±3 mV/V

***) preliminary; increased spring force version available as an option

	WTG / WTH series Connector / cable interface 5 ... 100 mm	Data sheet 11.12.01
		Previous issue 11.12.00 Status 07/03