



Inductive (spring-loaded) Probe

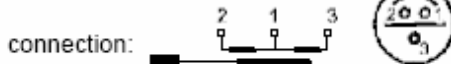
Half-bridge type

WT / WTA



axial connector (LX)

mating connector supplied



axial cable (K)

PE-cable 2,5m long

optional:

oil-resistant and high-temperature PTFE cable

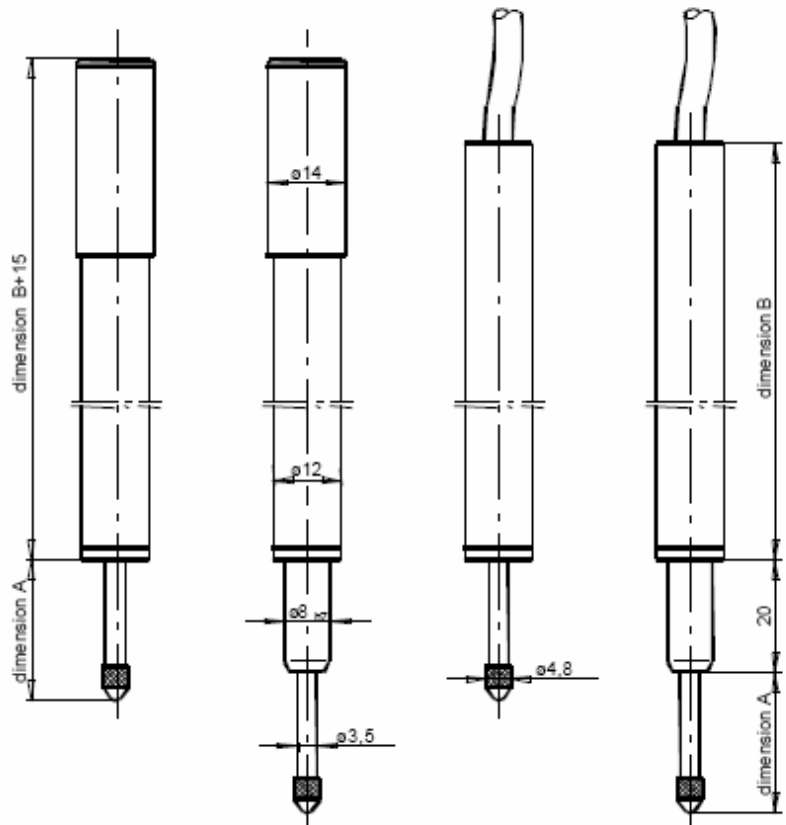


mechanical versions:

WT standard

WTA shank $\varnothing 8 \times 20$

Customised dimension A available on request



Example for ordering:

WT 10 LX 0,5%

WTA 10 LX 0,25%

WT 5 K 0,1%

WTA 5 K 0,5% 120°C

		WT / WTA 5	WT / WTA 10	WT / WTA 20	WT / WTA 50	WT / WTA 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	120	100	150	225	300
Sensitivity (approx.)	mV/V/mm	48	20	15	9	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

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



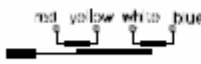
Inductive (spring-loaded) Probe

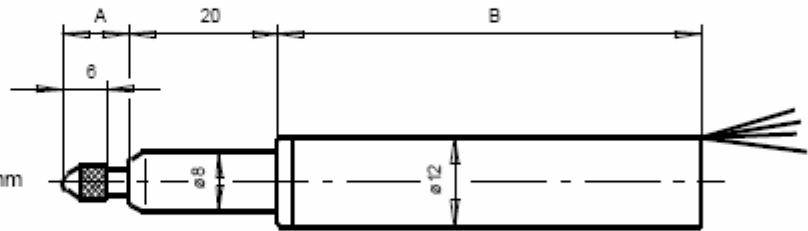
Half-bridge type

WT / WTA

axial leads

oil-resistant and high-temperature PTFE leads, 250 mm

connection: 

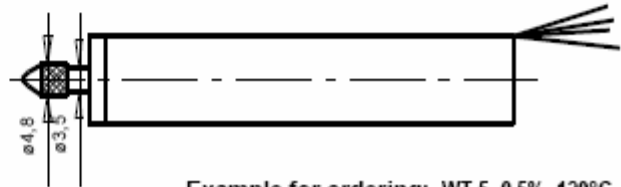


Example for ordering: WTA 5 0,25%

mechanical options:

WT standard
WTA shank ø8 x 20

Customised dimension A available on request



Example for ordering: WT 5 0,5% 120°C

		WT / WTA 2	WT / WTA 5
Nominal stroke	mm	±1	±2,5
Maximum stroke	mm	±1,6	±3,5
Dimension A **)	mm	8	12
Dimension B **)	mm	55	62
Spring force at zero (approx.) **)	N	0,14	0,14
Spring constant (approx.) **)	cN/mm	2	2
Transducer weight (approx.)	g	30	40
Core weight (approx.)	g	5	6
Nominal output signal	mV/V	48	120
Sensitivity (approx.)	mV/V/mm	48	48
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

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