

TESA LVDT Probes – Overview

LVDT axial probes, 8 mm diameter, ball-bearing measuring bolt

	No	=	Measuring range mm	mm	Cable exit	Measuring bolt retraction	Sealing bellows
<i>Standard probes</i>							
	03230029	GT 21 LVDT	± 1,5	4,3	axial	mechanical	nitrile
	03230030	GT 22 LVDT	± 1,5	4,3	radial	vacuum	nitrile
<i>Standard long-travel probes</i>							
	03230031	GT 27 LVDT	± 1,5	10,3	axial	mechanical	Viton
	03230032	GT 28 LVDT	± 1,5	10,3	radial	vacuum	Viton
<i>Probes with extended measuring range</i>							
	03230046	GT 61 LVDT	± 5	10,3	axial	mechanical	Viton
	03230048	GT 62 LVDT	± 5	10,3	radial	vacuum	Viton

... with activation of the measuring bolt by pneumatic pressure

	No	=	Measuring range mm	mm	Cable exit	Pressure (bar) nominal value	highest value	Sealing bellow
	S32020269	GT 222 LVDT	± 1,5	3,2	radial	0,7	1,0	Viton

LVDT probes with parallel guiding

	No	=	Measuring range mm	mm	Cable exit*	Measuring bolt retraction (accessory)
<i>Standard probes</i>						
	03230033	FMS 100 LVDT	± 1,5	5,8	parallel	air pressure
	03230034	FMS 102 LVDT	± 1,5	5,8	angled	air pressure
<i>Probes «FMS Protected»</i>						
	03230039	FMS 100-P LVDT	± 1,5	5,8	parallel	air pressure
	03230040	FMS 102-P LVDT	± 1,5	5,8	angled	air pressure

* Position in relation to the measuring direction



N** Drive voltage
Drive frequency
Adjustment load

Sensitivity
mV/V/mm

μm

%***

°C

IEC
60529

0,63 3 V / 5 kHz / 100 kΩ 150 0,15 0,2 -10 ÷ 65 IP65 N-17

0,63 3 V / 5 kHz / 100 kΩ 150 0,15 0,2 -10 ÷ 65 IP65 N-18

0,63 3 V / 5 kHz / 100 kΩ 150 0,15 0,2 -10 ÷ 65 IP65 N-19

0,63 3 V / 5 kHz / 100 kΩ 150 0,15 0,2 -10 ÷ 65 IP65 N-19

0,9 3 V / 5 kHz / 100 kΩ 98 0,2 0,3 -10 ÷ 65 IP65 N-20

0,9 3 V / 5 kHz / 100 kΩ 98 0,2 0,3 -10 ÷ 65 IP65 N-20



N** Drive voltage
Drive frequency
Adjustment load

Sensitivity
mV/V/mm

μm

%***

°C

IEC
60529

1,2 3 V / 5 kHz / 100 kΩ 150 0,15 0,2 -10 ÷ 65 IP65 N-21



N** Drive voltage
Drive frequency
Adjustment load

Sensitivity
mV/V/mm

μm

%***

°C

IEC
60529

2 3 V / 5 kHz / 100 kΩ 150 0,5 0,25 -10 ÷ 65 IP50 N-33

2 3 V / 5 kHz / 100 kΩ 150 0,5 0,25 -10 ÷ 65 IP50 N-34

2 3 V / 5 kHz / 100 kΩ 150 0,5 0,25 -10 ÷ 65 IP54 N-33

2 3 V / 5 kHz / 100 kΩ 150 0,5 0,25 -10 ÷ 65 IP54 N-34

** Nominal value of the measuring force at electrical zero, max. deviation ±25%.

*** All linearity related max. permissible errors expressed as % refer to each relevant measuring span (= difference between both first and last values of the measuring range). For max. perm. errors expressed in μm, see the information provided on each LVDT probe.

Note: LVDT probes are delivered without connector. For additional technical data, report to TESA standard probes.

