

Probes with Integrated or Inline Electronics



G Series Spring Push

- ▶ $\pm 1, \pm 2.5, \pm 5, \pm 10$ measuring ranges
- ▶ 8mm probe body with 19 mm electronics casing
- ▶ Voltage, Current outputs
- ▶ Linearity 0.2% FSO

The G-Type of analogue DC/DC displacement probes are based on the LVDT sensing principle and features a high accuracy and long life linear ball bearing (as AX-Series). All models incorporate a Linear Variable Differential Transducer (LVDT) as the measuring element, together with high performance conditioning electronics for low noise and superior linearity while being able to cope with a wide input supply range with no change in output.

Products				
Voltage Output (DC Bipolar)	WG/2/S/a	WG/5/S/a	WG/10/S/a	WG/20/S/a
Voltage Output (DC Unipolar)	VG/2/S/b	VG/5/S/b	VG/10/S/b	VG/20/S/b
Current Output	IG/2/S/c	IG/5/S/c	IG/10/S/c	IG/20/S/c
Measurement				
Measurement Range (mm)	2 (± 1)	5 (± 2.5)	10 (± 5)	20 (± 10)
Linearity (%FSO) / Repeatability μm	0.2 / 0.15			
Pre travel / Post Travel (mm)	0.15 / 0.85			
Mechanical				
Body Diameter (mm)	8 mm for shaft 19 mm for electronics housing - see page 29			
Material	Case 400 Stainless, Fluoroelastomer or Silicon Gaiters			
Tips	Same range as AX series - page			
Cable	PUR Std length 3 m			
Environmental				
Operating / Storage Temperature $^{\circ}\text{C}$	+5 to +65 / -20 to +85			
Sealing	IP65			
Electrical Interface (4-20mA & DC)				
Input	10 to 30 v @ 30mA (Typ) or 4-20mA loop powered			

Output Options			
	a	b	c
A			4-20 mA
B			20-4 mA
C			0-20 mA
D			20-0 mA
E		0-5	
F		5-0	
G		0-10	
H		10-0	
J	-5 to +5		
K	+5 to -5		
L	-10 to +10		
M	+10 to -10		

e.g. A) WG/2/5 with -5 to +5 output = WG/2/5/J



Probes with BICM (Boxed Inline Conditioning Module)

- ▶ DC signal conditioner mounted on inline cable
- ▶ +/- 15V or 24V DC input
- ▶ +/- 5V, +/- 10V output signal or 0-5, 0-10V
- ▶ IP 67 casing available
- ▶ For Specs on BICM see page 25

Analogue probes can be ordered with an In-line Conditioning Module that is calibrated at the Solartron factory, providing ease of setup.

