



001 AG

- ◆ These LVDT based precision linear displacement transducers are designed for dimensional gauging applications in both laboratory and workshop environment. Being “Made in India”, these gageheads offer a low price / performance ratio.
- ◆ With their clamping diameter of 8 mm, they provide electronic replacement of dial gauges in many applications.
- ◆ Compatible with any standard LVDT electronics
- ◆ Model 001 AG, as shown above, is fitted with neoprene rubber gaiter to offer adequate resistance to ingress of moisture or contamination from the shaft end.

Specifications

Description	001AG	002.5AG	005AG	010AG
Full Stroke Range (FSR)	0 to 2 mm	0 to 5 mm	0 to 10 mm	0 to 20 mm
Pre travel	1 mm	1.5 mm	2 mm	4 mm
Over travel	1 mm	1.5 mm	2 mm	4 mm
Linearity Error (% of FSR)	<0.25 %	<0.25 %	<0.25 %	<0.3 %
Repeatability	0.0005 mm	0.001 mm	0.002 mm	0.005 mm
Temperature Coeff.	<0.03 % per degC			
Probe tip guide	Bush with anti-rotation mechanism & negligible transverse play			
Probe tip head	Interchangeable hardened ball tip			
Probe tip protection	Neoprene gaiter	X	X	X
Protection Class	IP 65	X	X	X
Cable (integrally connected)	3 meter long, 4-core, braid shielded, PVC jacketed, flying leads ; optional 5-pin connector			
Calibration Excitation	2 V, rms, 2kHz, sinusoidal			
Output sensitivity	40 mv/v/mm	16 mv/v/mm	8 mv/v/mm	4 mv/v/mm
Body Length (shank & cable gland not included)	65 mm	87 mm	117 mm	155 mm
Body Diameter	16 mm			
Shank of 8.0 mm diameter	20 mm	20 mm	25 mm	25 mm

X– Not provided

Accessories

- ◆ SS clamp for shank with bolt and nut: AAS-01-8
- ◆ Non metallic body clamp with bolt and nut: AAS-01-16
- ◆ Additional 3 meter cable (total length—5 meter) : AAS-51
- ◆ Additional 7 meter cable (total length—10 meter) : AAS-52
- ◆ Hardened Ball Tip: AAS-21-2.5
- ◆ Heavy duty magnetic base with LVDT bracket AAS-62-16

LVDT Instrumentation

AG Measurement offers several models of LVDT instrumentation products. These include Mains or 24 V operated signal conditioner modules, Digital Indicators, Smart Digital Indicators (Zeus), computerized systems and application software for computerized measurement.





001AGS

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- ◆ With their clamping diameter of 8 mm, they provide electronic replacement of dial gauges in many applications.
- ◆ Compatible with any standard LVDT electronics
- ◆ Model 001 AG, as shown above, is fitted with neoprene rubber gaiter to offer adequate resistance to ingress of moisture or contamination from the shaft end.

Specifications

Description	001AGS	002AGS
Full Stroke Range (FSR)	0 to 2 mm	0 to 4 mm
Pre travel	0.3 mm	0.3 mm
Over travel	0.5 mm	0.5 mm
Linearity Error (% of FSR)	<0.25 %	<0.25 %
Repeatability	0.001 mm	0.001 mm
Temperature Coeff.	<0.03 % per degC	
Probe tip guide	Bush with negligible transverse play	
Probe tip head	Interchangeable hardened ball tip	
Probe tip protection	Neoprene gaiter	X
Protection Class	IP 65	X
Cable (integrally connected)	3 meter long, 4-core, braid shielded, PVC jacketed, flying leads ; optional 5-pin connector	
Calibration Excitation	2 V, rms, 2kHz, sinusoidal	
Output sensitivity	40 mv/v/mm	20 mv/v/mm
Body Length (shank & cable gland not included)	65 mm	87 mm
Body Diameter	9.5 mm	
Shank of 8.0 mm diameter	20 mm	20 mm

Accessories

- ◆ SS clamp for shank with bolt and nut: AAS-01-8
- ◆ Fiber Bakelite body clamp with bolt and nut: AAS-01-9.5
- ◆ Additional 3 meter cable (total length—5 meter) : AAS-51
- ◆ Additional 7 meter cable (total length—10 meter) : AAS-52
- ◆ Hardened Ball Tip: AAS-21-2.5
- ◆ Heavy duty magnetic base with LVDT bracket AAS-62-9.5

