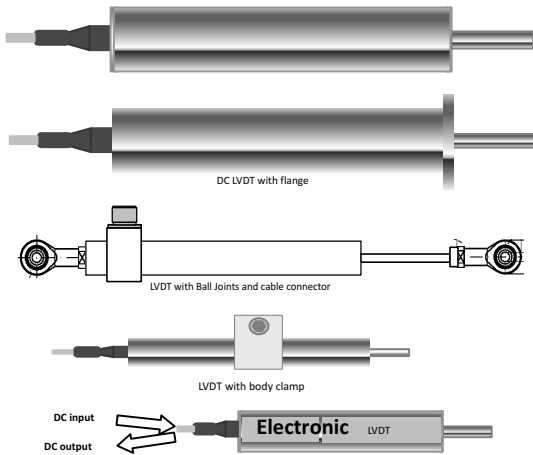


# Process DC Displacement Transmitters

Model - DSA



The **DP** series of DC LVDTs are range of DC-input DC-output displacement transmitters housed in stainless steel body. These transducers are equipped with in-built electronics.

DP series Transmitters operator from a signal DC **supply** between **18 to 36 v** which makes them suitable for use in process plants with the same ease as that of any process transmitter. Any signal conditioner or amplifier is not required for their operation.

Applications for these transducers include measurement of displacement and linear position, deflection/deformation measurement in automated material testing machines for soil testing machines, automation of textile machinery etc.

**AGMPL** also manufactured Digital Indicators, controllers and interface and software for computerized measurement and control.

## SPECIFICATIONS

Model	101	025	050	075	100	150	200	250
	DP	DP	DP	DP	DP	DP	DP	DP
Full Stroke Range (mm)	±10	±25	±50	±75	±100	±150	±200	±250
Body Length (mm)								
Mech. stroke (mm)	30	60	119	195	219	345	461	543
Non-linearity error % FSR, ±)	0.3	0.4	0.5	0.6	0.6	0.7	0.8	1.0

Winding Configuration	LVDT	Housing dia	<b>32 mm</b>
Output at full stroke	4 to 20 mA	Core-rod dia	<b>6 mm</b>
Excitation	18 to 36 V DC		
Temperature range	Up to 60 ° C		
Temp. Coeff. (% FSR)	<b>Zero:</b> <0.02 % Per °C      Sensitivity: <0.04 % / °C		
Termination	4-core, screened, PVC insulated cable; 3 meter Transducers with longer cable (up to 20 mm) can also be supplied		

\* FSR-Full scale range (Measurement Range)

## ACCESSORIES

### LVDT Body Clamps

These Body clamps are made of reinforced fibre-bakelite. These clamps provide excellent solution for LVDT installation. Note: All models up to ± 75 mm FSR are available with spring loaded core rod also.



### Tips for fitment to core rod

- Hardened Ball Tip
- Ball Bearing Tip

## RELATED ELECTRONICS

- AI210** (I-12) 3½ Digit Display Indicator
- AI210v** (I-6) 3½ Digit Display Indicator, voltage output
- AI210vi** (I-12) 3½ Digit Display Indicator, voltage & current output
- AI212vi** (I-12) 3½ Digit Display Indicator, Two set points, voltage output
- AI212vi** (I-12) 3½ Digit Display Indicator, Two set points, voltage output
- AI240** 4½ Digit high Resolution Display Indicator
- AI731** (I-9) Microprocessor based 16 x 2 character display. Three channel with RS232 Interfacing and two set point.



**AG MEASUREMATICS PVT. LTD.**

Email: info@agmpl.com | Tel: +91 (1332) 278662, 270772, 275425  
Due to continuous product development specifications are subject to change without notice.

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