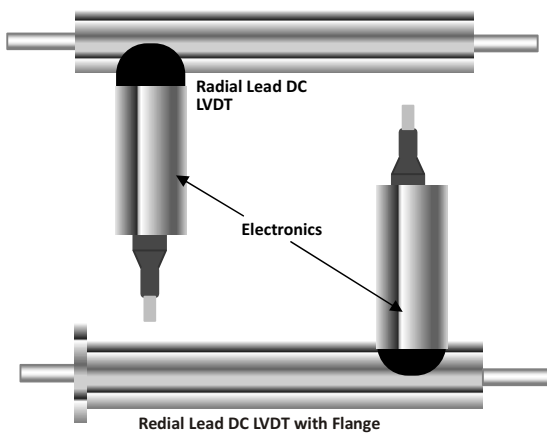


# Radial Lead Standard DC

Model - DSR



The **DSR** series of DC LVDTs are range of DC-input DC output displacement transducers housed in stainless steel body of **22 mm diameter**. These transducers are equipped with electronic signal conditioning circuit, which makes them very easy use and apply. Any external signal conditioner or amplifier is not required of their operation.

The Signal conditioner module is housed in the radially fitted housing. This allow the body length of the DC LVDT to be almost same as the radial lead AC LVDT of same FSR.

Each transducers is supplied with its factory calibrated data.

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

## TECHNICAL SPECIFICATION

Model	005 DS	010 DS	025 DS	050 DS	100 DS	150 DS	250 DS	300 DS
Full Stroke Range (mm)	±5	±10	±25	±50	±100	±150	±250	±300
Body Length (mm)	84	116	174	327	466	694	1109	
Mech. stroke (mm)	27	35	60	119	219	345	543	
Non-linearity error % FSR, ±	0.3	0.3	0.4	0.5	0.6	0.7	1.0	

<b>Winding Configuration</b>	LVDT	<b>Housing dia</b>	<b>22 mm</b>
<b>Output at full stroke</b>	-5 V to +5 V or 0 to 10 V (to be specified with order)	<b>Core-rod dia</b>	<b>6 mm</b>
<b>Excitation</b>	± 15 V DC		
<b>Temperature range</b>	Up to 60 deg C		
<b>Temp. Coeff. (% FSR)</b>	<b>Zero:</b> <0.02 % Per °C <b>Sensitivity:</b> <0.04 % / °C		
<b>Termination</b>	4-core, screened, PVC insulated cable; 3 meter Transducers with longer cable (up to 20 mm) can also be supplied		
<b>Accessories</b>	Body clamps, hardened bail tip, flange Ball bearing tip, mounting block etc.		

\* 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.



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Due to continuous product development specifications are subject to change without notice.

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