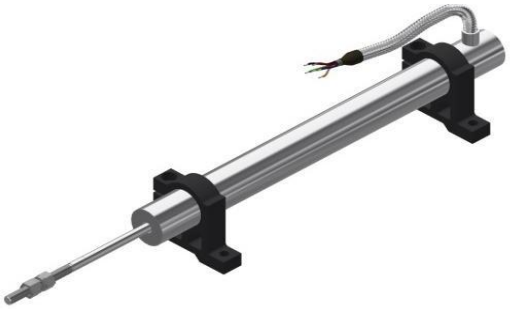
HD-250 Series
Steam Turbine LVDT

Designed for steam turbine monitoring, the HD-250 Series LVDT features a guided core rod to prevent core rotation and ensure consistent, safe measurement. Fully sealed metal housing and double shielding deliver reliable performance in high-temperature, humidity, vibration, and EMI-prone environments. Available in AC (155°C) and DC (multiple output options) versions, with 25 mm OD and 20–600 mm strokes (customizable). Ideal for actuator stroke and valve position monitoring in turbine protection systems.



FEATURES

- Guided core rod design
- Fully sealed metal housing, vibration-resistant
- Double-shielded against EMI and ESD
- Reliable in high-temperature, humidity & dust
- Wide frequency excitation, high sensitivity & reliability
- Innovative winding, shorter length

GREAT FOR

- For actuator stroke & valve monitoring

SPECIFICATIONS

Performance

Code	Stroke Range (mm)
HD-250-200-XX	20
HD-250-500-XX	50
HD-250-1000-XX	100
HD-250-1500-XX	150
HD-250-2000-XX	200
HD-250-3000-XX	300
HD-250-4000-XX	400
HD-250-5000-XX	500
HD-250-6000-XX	600

All values are nominal unless otherwise noted. Dimensions are in mm unless otherwise noted

FR: Full Range is the stroke range, end to end; FR= S for 0 to S stroke range

FRO (Full Range Output): Algebraic difference in outputs measured at the ends of the range

Electrical

Input	AC	3 V rms(1~7V rms Optional) 2.5KHz (400~10KHz Optional)
	DC	13-28VDC
Zero point voltage	< 20mV	
Non-linearity	<0.3%	
Repeatability	< 0.1%	
Operating Temperature	AC	-50℃~ +155℃
	DC	-20℃~ +85℃
TC of sensitivity	< 0.015%FS/℃	
Structure	Split Structure	
Wiring	Teflon Wire or Shielded Cable	
Shock survival	1000g,11ms	
Vibration tolerance	20g@2000Hz	

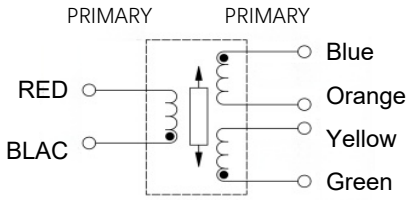
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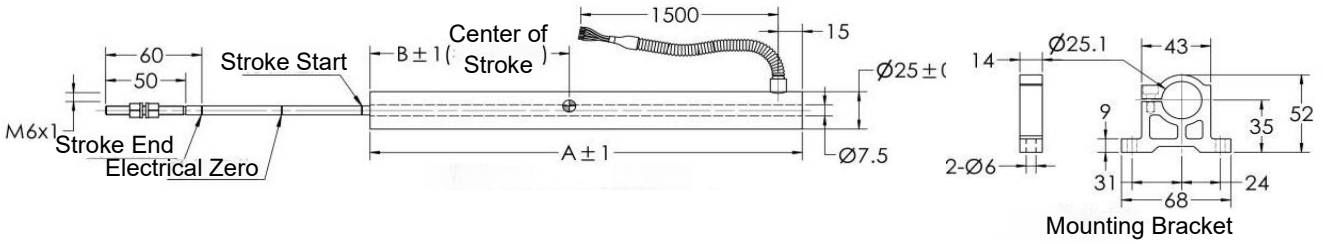
The information provided herein is, to the best of Hansensol's knowledge, true and accurate.
It is provided for guidance only, and all specifications are subject to change without prior notice.

Dimension [mm]

Code	Dim "A"		Dim "B"
	AC	DC	
HD-250-200-XX	120	120	60.5
HD-250-500-XX	185	185	93
HD-250-1000-XX	270	270	135.5
HD-250-1500-XX	356	356	178.5
HD-250-2000-XX	356	356	178.5
HD-250-3000-XX	600	600	300.5
HD-250-4000-XX	750	750	375.5
HD-250-5000-XX	860	860	430.5
HD-250-6000-XX	980	980	490.5

Wiring

Output	Output Singal	Wiring
DC	0-5V/0-10V/2-10V/ 4-20mA/ -5V~5V/-10V~10V	Pin 1 Blown Pin2 White Pin3 Blue Pin4 Black
AC		



ORDERING INFORMATION

HD - 250 - 200 - AC

Outer Diameter	
250	25mm

Stroke Range	
Code	Stroke
200	20mm
500	50mm
1000	100mm
1500	150mm
2000	200mm
3000	300mm
4000	400mm
5000	500mm
6000	600mm
Customizable Range	

Output
AC
0-5V
0-10V
2-10V
±5V
±10V
4-20mA

Optional accessories

1. Installation bracket
2. Iron core connecting rod (customizable)

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