J200 Series
Monitoring LVDT

Built for long-term structural monitoring, the J200 Series LVDT features a spherical bearing mount that self-compensates for angular misalignment, preventing side loads on the core rod. Guided core rod design, sealed metal housing, and double shielding ensure reliable performance in harsh outdoor conditions. Available in 20–500 mm strokes with AC (155°C) or DC (multiple output options) versions. Ideal for bridge deflection, building settlement, and dam deformation monitoring.



FEATURES

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

GREAT FOR

- Deformation monitoring
- Bridge monitoring
- Building monitoring

SPECIFICATIONS

Performance

Code	Stroke Range (mm)	Sensitivity,mV/V/mm
HD-J200-200-XX	20	50
HD-J200-300-XX	30	35
HD-J200-500-XX	50	20
HD-J200-1000-XX	100	10
HD-J200-1500-XX	150	8
HD-J200-2000-XX	200	6
HD-J200-2500-XX	250	4.8
HD-J200-3000-XX	300	4
HD-J200-4000-XX	400	3
HD-J200-5000-XX	500	2.4

Electrical

Input	AC	3 V rms(1~7V rms) @5KHz (400~10KHz)
	DC	13-28VDC
Zero point voltage	< 20mV	
Non-linearity	<0.25%	
Repeatability	< 0.1%	
Operating Temperature	AC	-50℃~ +155℃
	DC	-20℃~ +85℃
TC of sensitivity	< 0.015%FS/℃	
Structure	Guided Core Rod	
Wiring	Shielded Cable	
Shock survival	1000g,11ms	
Vibration tolerance	20g@2000Hz	

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

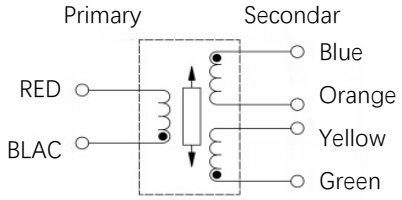
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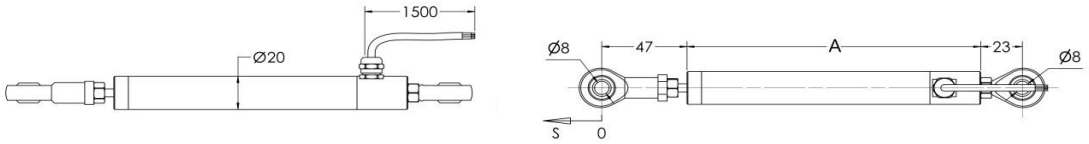
The information provided herein is, to the best of Hansensol's knowledge, true and accurate.
It is provided for guidance only, and all specifications are subject to change without prior notice.

Dimension [mm]

Code	Dim"A" AC	Dim"A" DC
HD-J200-200-XX	102	129
HD-J200-300-XX	122	149
HD-J200-500-XX	162	189
HD-J200-1000-XX	232	259
HD-J200-1500-XX	312	339
HD-J200-2000-XX	362	389
HD-J200-2500-XX	417	444
HD-J200-3000-XX	417	504
HD-J200-4000-XX	652	679
HD-J200-5000-XX	772	799

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 - J200 - 200 - AC

Product Series	
J200	J200 Series

Stroke Range	
Code	Stroke
200	20 mm
300	30 mm
500	50 mm
1000	100 mm
1500	150 mm
2000	200 mm
2500	250 mm
3000	300 mm
4000	400 mm
5000	500 mm
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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