HD-TRANS200 Series LVDT

Need a single LVDT series that covers everything from ±6.4 mm to ±508 mm? The TRANS200 Series is a general-purpose LVDT with ten standard stroke ranges — from short to ultra-long travel. Sealed metal housing and double shielding ensure reliable performance in harsh environments. Innovative winding shortens overall length for tight installations, while high sensitivity (up to 78 mV/V/mm) captures fine displacements. Ideal for turbines, cylinders, machine tools, and bridge monitoring.



FEATURES

- Drop-in replacement for imported models
- 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
- High-sensitivity design

GREAT FOR

- Steam turbines
- Hydraulic cylinders
- Hydraulic presses
- Machine tools
- Material testing machines
- Precision inspection equipment
- Bridge monitoring

SPECIFICATIONS

Performance

Code	Stroke Range (mm)	Sensitivity,mV/V/mm
HD-TRANS215-AC	±6.4	78
HD-TRANS216-AC	±12.7	40
HD-TRANS217-AC	±25.4	20
HD-TRANS218-AC	±50.8	10
HD-TRANS219-AC	±76.2	6.5
HD-TRANS220-AC	±127	4
HD-TRANS221-AC	±190.5	2.6
HD-TRANS222-AC	±254	2
HD-TRANS223-AC	±381	1.3
HD-TRANS224-AC	±508	1

Electrical

Input	3 V rms(1~7V rms Optional)
Input frequency	2.5KHz (400~10KHz Optional)
Zero point voltage	< 20mV
Non-linearity	<0.25%
Repeatability	< 0.1%
Operating Temperature	Common type: -50℃~ +155℃
TC of sensitivity	< 0.015%FS/℃
Structure	Split Structure
Wiring	Teflon Wire or 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

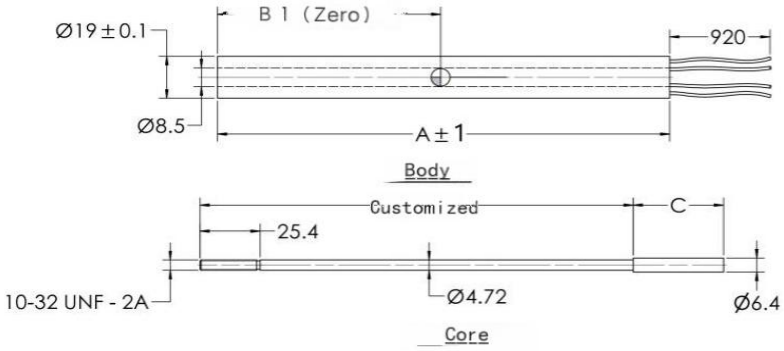
FRO (Full Range Output): Algebraic difference in outputs measured at the ends of the range

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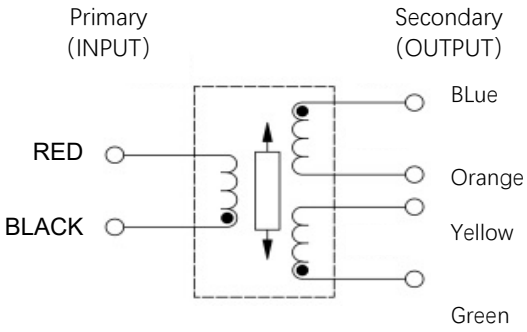
The information provided herein is, to the best of Hansensol's knowledge, true and accurate.
It is provided for guidance only, and all specifications are subject to change without prior notice.

Dimension [mm]

Code	Dim "A"	Dim "B"	Dim "C"
HD-TRANS215-AC	63.5	30.5	25.4
HD-TRANS216-AC	82.6	40.05	25.4
HD-TRANS217-AC	114.3	55.9	31.8
HD-TRANS218-AC	190.5	94	38.1
HD-TRANS219-AC	254	125.75	48.3
HD-TRANS220-AC	381	189.25	63.5
HD-TRANS221-AC	546.1	271.8	101.6
HD-TRANS222-AC	711.2	354.35	139.7
HD-TRANS223-AC	1016	506.75	177.8
HD-TRANS224-AC	1270	633.75	177.8



Wiring



ORDERING INFORMATION

HD - TRANS - 215 - AC

Structure	
TRANS	TRANS Series

Output	
AC	AC output

Stroke Range	
Code	Stroke
215	±6.4
216	±12.7
217	±25.4
218	±50.8
219	±76.2
220	±127
221	±190.5
222	±254
223	±381
224	±508
Customizable Range	

Optional accessories

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

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