HD-HAR750 AC Series
General Purpose LVDT

Need a direct replacement for imported 0.75" LVDTs? The HD-HAR750 AC Series matches the standard 0.75" OD and PT02-10-6P connector for drop-in compatibility with HR-series models. Split-core, rugged housing, and double shielding ensure reliable performance in harsh conditions. Available in 10 strokes from ±3 mm to ±254 mm, with axial or 90° outlet options. Ideal for turbines, hydraulic cylinders, test machines, and bridge monitoring.



FEATURES

- Import replacement
- Split-core design, easy installation
- 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

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-HAR750-125-X-AC	±3	158
HD-HAR750-250-X-AC	±6.35	98
HD-HAR750-500-X-AC	±12.7	25
HD-HAR750-1000-X-AC	±25.4	24
HD-HAR750-2000-X-AC	±50.8	16
HD-HAR750-3000-X-AC	±76.2	10
HD-HAR750-4000-X-AC	±101.6	7
HD-HAR750-5000-X-AC	±127	4.7
HD-HAR750-7500-X-AC	±190.5	4.3
HD-HAR750-10000-X-AC	±254	3.1

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

Power s Supply	3 V rms(1~7V rms Optional)
Input Frequency	2.5KHz (400~10KHz Optional)
Zero voltage	< 20mV
Non-linearity (maximum)	<0.25%
Repeatability	< 0.1%
Operating Temperature	-20℃...85℃
TC of Sensitivity	< 0.015%℃
Structure	Split Structure
Wiring	PT02-10-6P
Shock	1000g,11ms
Vibration	20g@2000Hz
Displacement Cycle	> 10^6 cycles

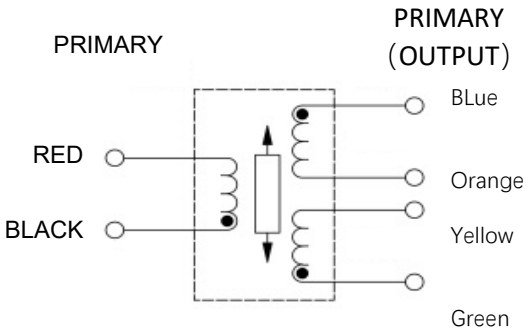
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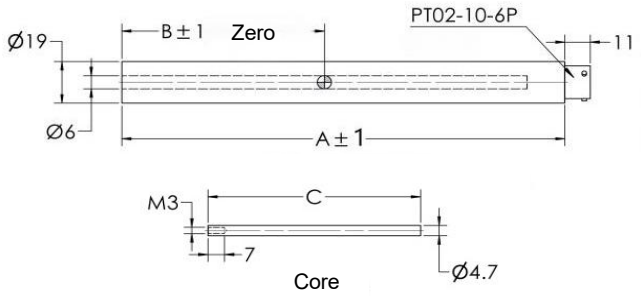
The information provided herein is, to the best of Hansensol's knowledge, true and accurate.
It is provided for guidance only, and all specifications are subject to change without prior notice.

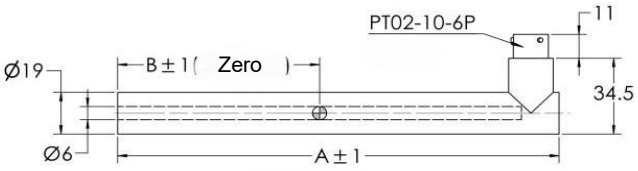
Dimension [mm]

Code	Dim "A"	Dim "B"	Dim "C"
HD-HAR750-125-X-AC	66.00	25.00	32.00
HD-HAR750-250-X-AC	84.60	34.30	43.20
HD-HAR750-500-X-AC	150.00	67.00	89.00
HD-HAR750-1000-X-AC	188.00	86.00	89.00
HD-HAR750-2000-X-AC	277.00	130.50	136.00
HD-HAR750-3000-X-AC	348.00	166.00	157.50
HD-HAR750-4000-X-AC	411.50	197.75	157.50
HD-HAR750-5000-X-AC	473.70	228.85	157.50
HD-HAR750-7500-X-AC	607.00	295.50	177.80
HD-HAR750-10000-X-AC	804.00	394.00	241.30

Wiring







ORDERING INFORMATION

HD - HAR750 - 125 - X - AC

Structure	
HAR750	HR Series with 0.75-inch outer diameter

Output	
AC	AC output

Direction of wiring	
X	Axial outlet
Y	90° outlet

Stroke Range	
Code	Stroke
125	±3
250	±6.35
500	±12.7
1000	±25.4
2000	±50.8
3000	±76.2
4000	±101.6
5000	±127
7500	±190.5
10000	±254
Customizable Range	

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

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