

LTDP1907

Duplex parallel LVDT sensor

(Linear Variable Differential Transformer)

The LTDP1907 LVDT sensor contains design features that make it suitable for use in high temperature, severe vibration and high cyclic, contaminated applications.

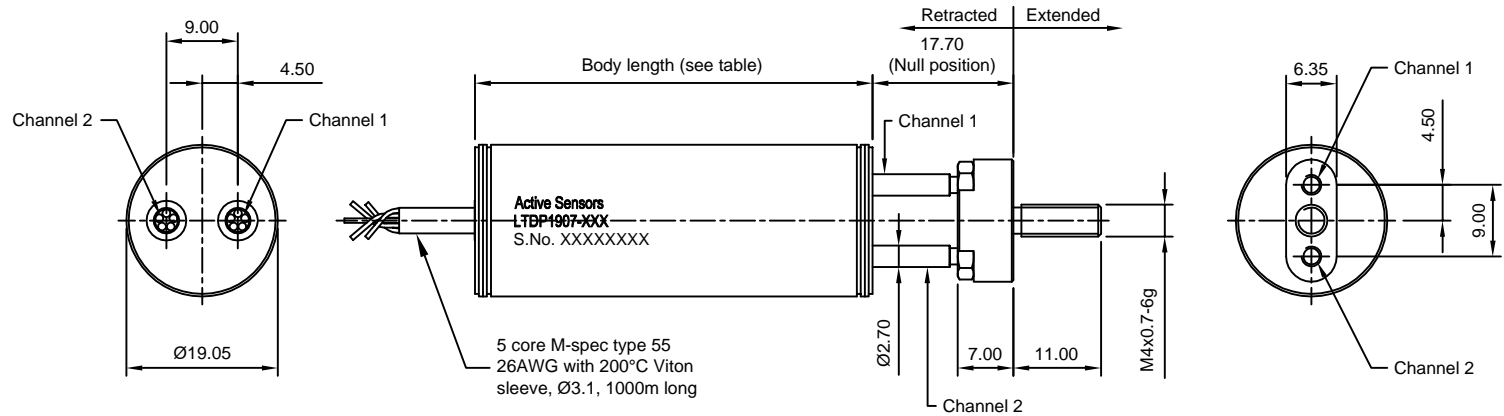
The design has twin LVDT's (duplex) in a common body for redundancy in critical aerospace control systems. The sensor is housed in a TIG welded stainless steel body and fitted with fire and chemical resistant, high temperature signal cabling. The LVDT sensor has an operating temperature range of -55°C to +200°C.

This sensor design is available with various mounting options and measurement lengths from 1.0mm to 100mm (4").

Other models in this range

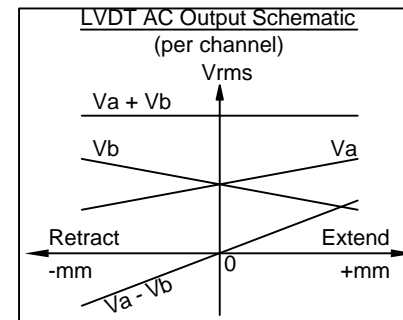
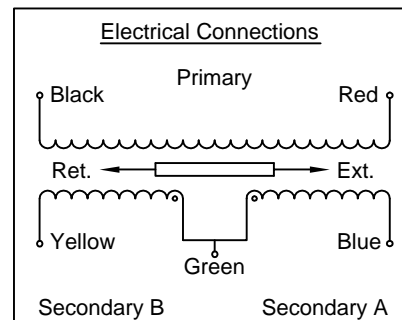
LTDP1307 - slim-bodied duplex parallel

Also see Active Sensors electronics for LVDT sensors



Electrical & Mechanical Information (per channel)

Input conditions	6.0V RMS $\pm 10\%$ @ 2950 KHz $\pm 0.1\%$	
Electrical stroke	16 (± 8.0)	mm
Mechanical stroke	± 9.0	mm
Body Length	50.0	mm
Null position	17.7	mm
Phasing between channels	< 2.0	%
Crosstalk	< 1.0	%
Summed output voltage - nominal	0.68	V/Vin
Ratiometric sensitivity $\pm 3\%$	0.0562	/mm
Non - linearity least squares best fit	$< \pm 0.5$	%
Input impedance	> 300	Ohms
Operating temperature	- 55° to + 200°	°C
Environmental	Sealed	
Case material	Stainless Steel 446	
Shaft material	Stainless Steel 316	



Ordering Information

LTDP1907-016

Active
sensors

sales@activesensors.com