

PCI-650 Series – LVDT 4 to 20mA Transmitter

1% of FSO non-linearity
 Temperature compensated
 4 to 20mA output
 1,450 PSI (100 Bar) operation
 Compatible with Ammonia
 & compressor oils



The **PCI-650 Series** transmitter is extremely rugged and accurate. It features a spring-loaded guided probe with a hard tip, and a removable electronic module to facilitate installation into pressurized devices such as valves and actuators. The PCI-650 is designed to operate in refrigerants (including ammonia) and compressor oils, as well as many other compatible fluids.

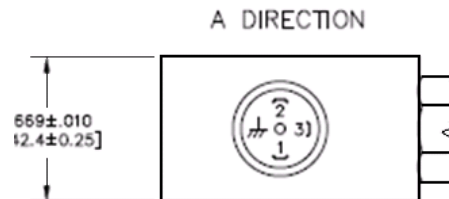
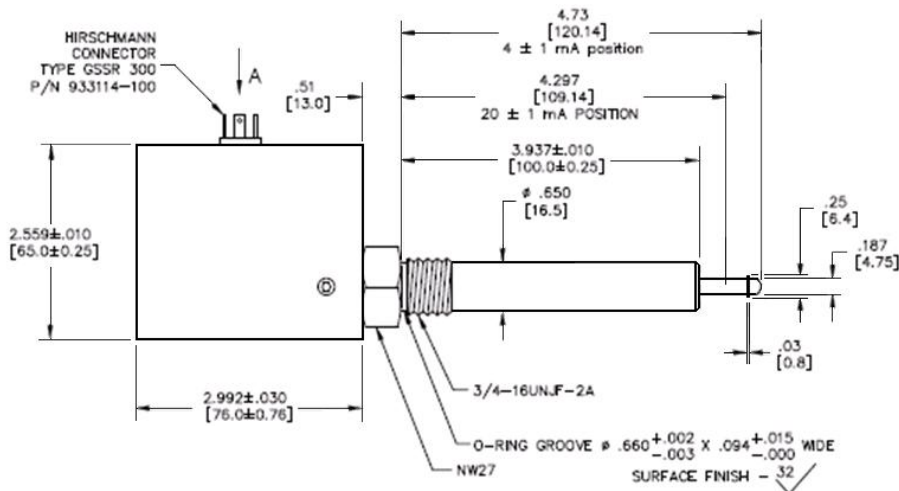
FEATURES

- 1% of FSO non-linearity, maximum
- Uses LVDT technology for excellent stability and temperature performance
- Infinite resolution
- EMI/EMC/ESD protected
- High reliability
- High vibration/shock withstanding
- ATEX certification
- Supplied with mating cable
- Calibration certificate provided with each unit

APPLICATIONS

- Refrigerant compressor capacity volume control valves
- Refrigerant compressor oil systems
- Slide valves
- Short stroke hydraulic actuators
- Other fluid and gas pressure applications
- Applications requiring media isolation

Dimensions (11mm stroke version)



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Performance specifications

Parameter	Value	Comment
Stroke range	0 to 11mm (0.433 inch) 0 to 40mm (1.575 inch) 0 to 70mm (2.756 inches) 0 to 85mm (3.346 inches) 0 to 100mm (3.937 inches)	Other strokes can be created for high volume OEM applications
Supply Voltage	12 to 28 VDC	
Output	4 to 20mA DC	
Non-linearity	±1% of FSO, maximum	
Resolution	“Infinite”	Analog amplification
Maximum operating pressure	100 Bars (1,450 PSI)	
Operating Temperature	-4 to +176°F (-20 to +80°C)	Electronics
	-40 to +248°F (-40 to +120°C)	LVDT sensor
Operating pressure	1,450PSI (100 bars) maximum	From o-ring to tip of probe
Certification	ATEX	

Note: FSO (Full Scale Output) is the largest absolute value of the outputs measured at the ends of the stroke range

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