

# 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.

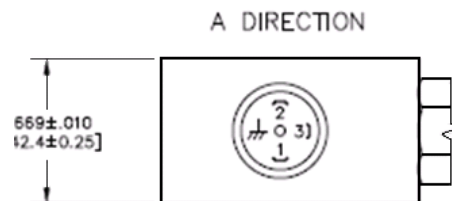
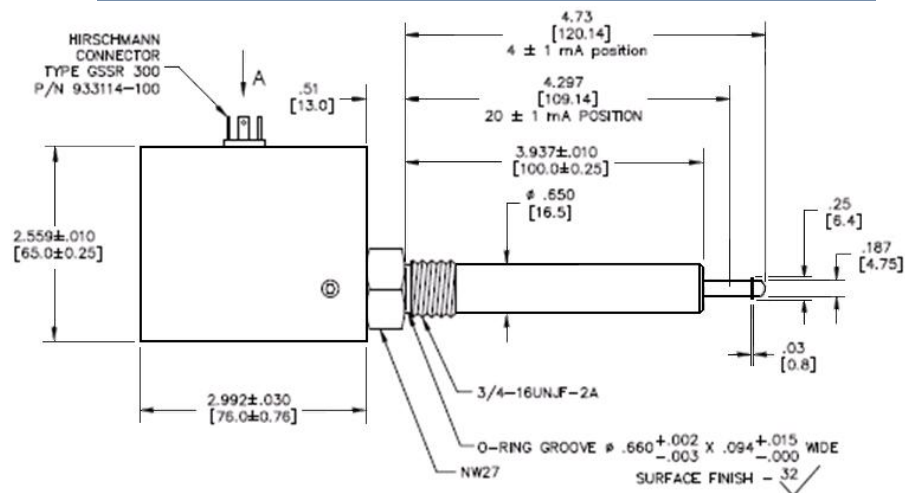
## FEATURES

- 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)



# PCI-650 Series – LVDT 4 to 20mA Transmitter

## 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

The information in this sheet has been carefully reviewed and is believed to be accurate; however, no responsibility is assumed for inaccuracies. Furthermore, this information does not convey to the purchaser of such devices any license under the patent rights to the manufacturer. Measurement Specialties, Inc. reserves the right to make changes without further notice to any product herein. Measurement Specialties, Inc. makes no warranty, representation or guarantee regarding the suitability of its product for any particular purpose, nor does Measurement Specialties, Inc. assume any liability arising out of the application or use of any product or circuit and specifically disclaims any and all liability, including without limitation consequential or incidental damages. Typical parameters can and do vary in different applications. All operating parameters must be validated for each customer application by customer's technical experts. Measurement Specialties, Inc. does not convey any license under its patent rights nor the rights of others.