

High Resolution LDT Interface Module Provides Continuous Linear Position Input to A-B SLC500 I/O Chassis

The Series 1746L LDT Interface Card is a magnetostrictive linear displacement transducer (LDT) based unit that incorporates Allen-Bradley licensed technology for complete compatibility with A-B Series 1746 I/O chassis. The unit monitors machine position and delivers continuous absolute position data to the SLC processor in inches to 0.001" or in millimeters to 0.01mm and velocity data. This high resolution is accomplished without the need for recirculations for improved system response time.

The Series 1746L is available in two versions to accommodate one LDT or two LDT's. All power for the LDT's is supplied directly from the 1746 Interface Module. Other features include: position freeze, movement fault detection and program-mable over travel limits for use in pressrooms and general purpose industrial automation.

The 1746L LDT Interface Card is suitable for use with many LDT inputs, including Gemco Series 951 Quick-Stik II™ and Series 952 BlueOx™ LDT's.

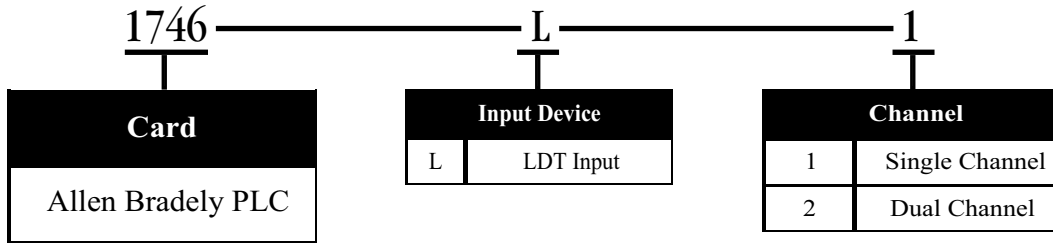
- This product incorporates patented technology which is licensed by Allen-Bradley Company, Inc. A-B has not technically approved, nor does it warrant or support this product. All warranty and support for this product and its application is provided solely by Ametek Patriot Sensors.
- Allen-Bradley is a registered trademark of Rockwell Corporation
- Gemco, Quick-Stik II and BlueOx are trademarks of Ametek Patriot Sensors.



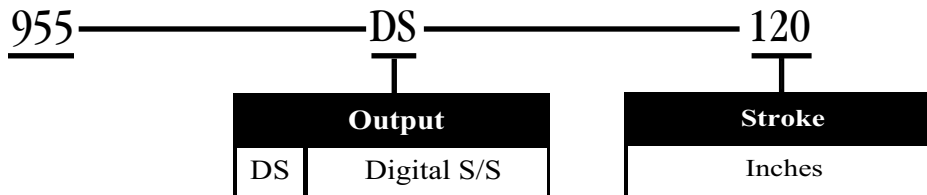
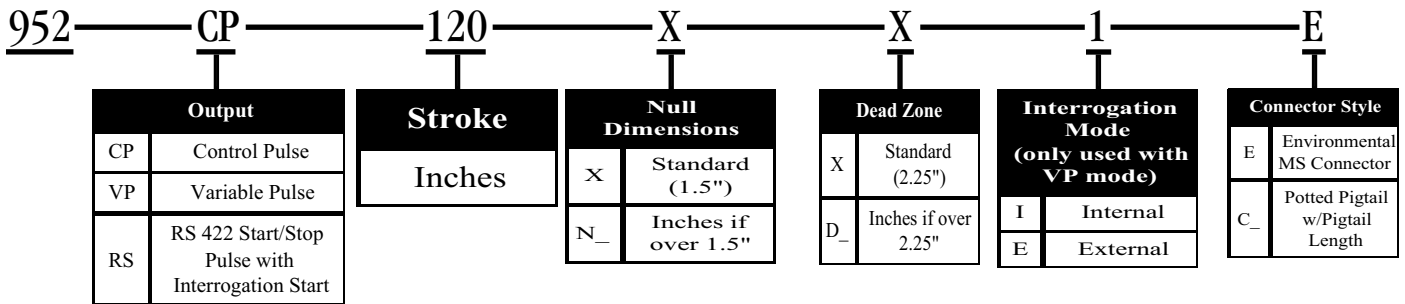
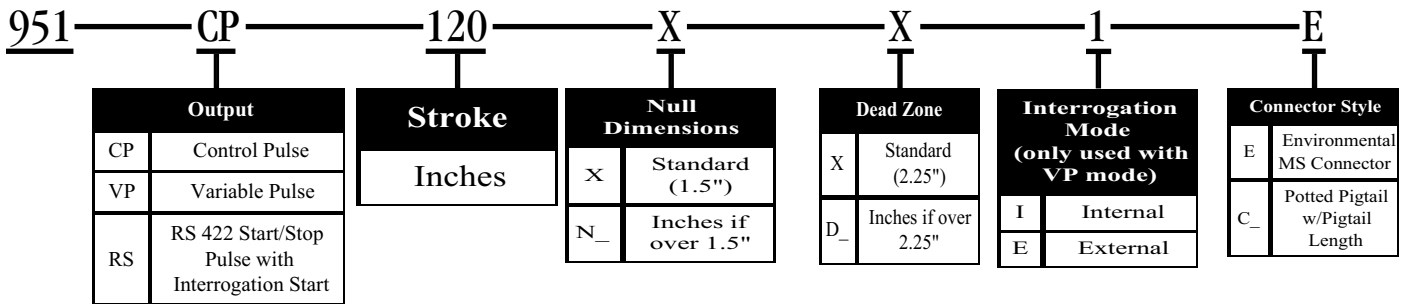
1746L-1 Single Axis  
 1746L-2 Dual Axis

Reference Specifications	
<b>Power Requirements</b>	0.50A min. @ +5 Vdc 2.22A max. @ +5 Vdc
<b>+24 Vdc Output to Power LDTs</b>	Protection: thermal, overcurrent, short circuit Current: 300mA max. @ +24 Vdc Regulation: +24 Vdc +/- 5% max. Isolation: 500 Vac
<b>Resolution Velocity</b>	0.001" or 0.01mm 0.1"/sec. accuracy 0.001" resolution
<b>Temperature Range</b>	Operating: 32° to 131°F (0° to 55°C) Storage: 0° to 150°F (-17° to 65°C)
<b>Auxiliary Inputs</b>	10 - 30 Vdc max. @ 3 mA (active when power is applied)
<b>Module ID Code</b>	3535 (reserves 8 input words and 8 output words in I / O image table)
<b>I/O Isolation</b>	500 Vac
Specifications may change without notice. Order LDT Sensor separately.	

# Series 1746L High Resolution LDT Interface Card



## Compatible LDT's



# AMETEK®

## PATRIOT SENSORS

1080 NORTH CROOKS ROAD • CLAWSON, MI 48017 USA  
 800-635-0289 • 248-435-0700 • Fax 248-435-8120  
 www.patriotsensors.com • www.ametek.com