



## 955LC BRIK LDT Data Sheet

### Magnetostrictive LDT In A Low Profile Package

The 955LC BRIK is an accurate, programmable zero and span, non-contact linear position sensor in an economical, low profile package. The sensor utilizes our field proven magnetostrictive technology to give absolute position, repeatable to .01% of the sensing distance. The 955LC is a cost effective linear sensing solution, designed for the OEM market.

The transducer can be ordered with 0 to 10 VDC or 4 to 20 mA. The unit can easily be re-scaled and changed from a 0 to 10 VDC to a 10 to 0 VDC or 4 to 20 mA to a 20 to 4 mA using programming module 955-1412. All units are provided with a standard quick disconnect connector. The streamlined anodized aluminum extrusion houses the sensing element and electronics. The magnet slide moves over the sensing element that determines the position and converts it to a readable output.

The 955LC BRIK is a self-contained unit and does not have a can or head assembly. All of the electronics are incorporated in the transducer which is less than one inch tall. Units can be ordered in span lengths up to 180 inches long in 0.1 inch increments. The magnet slide is designed to move effortlessly along the transducer in guide tracks.

A variety of hardware is available for attaching the magnet slide to the moving portion of the process. The transducer can be mounted vertically or horizontally using mounting feet which slide on the lower part of the extrusion and clamp down when tightened. This packaging provides a compact and easy method of mounting for OEM machine builders.

The 955LC BRIK is designed for OEM applications where economical continuous feedback is necessary. The sensor can be a cost effective replacement to limit switches, proximity sensors, linear potentiometers and LVDT's. Applications include presses, blow molding, injection molding, extrusion, roll positioning, dancer control and many more.



Specifications			
Input Voltage	24 VDC +/- 20%	Span Length	6" to 180"
Current Draw	100 mA Max.	Null Zone	3.00"
Output	0 to 10 VDC 10 to 0 VDC 4 to 20 mA 20 to 4 mA	Dead Zone	1.50"
Linearity	+/- 0.05% of Stroke or +/- 0.028", Whichever is Greater	Connector	Standard 4 Pin Micro 12mm Euro Connector
Accuracy	0.1% of Full Stroke	Agency Approvals	CE Approved
Repeatability	+/- 0.01% of Full Stroke or +/- 0.014", Whichever is Greater	Enclosure	IP67
Operating Temperature	-20° to 70° C		
Specifications are subject to change without notice.			

## 955LC BRIK

### Part Numbering

**955LC**

**955LC BRIK**

**V0**

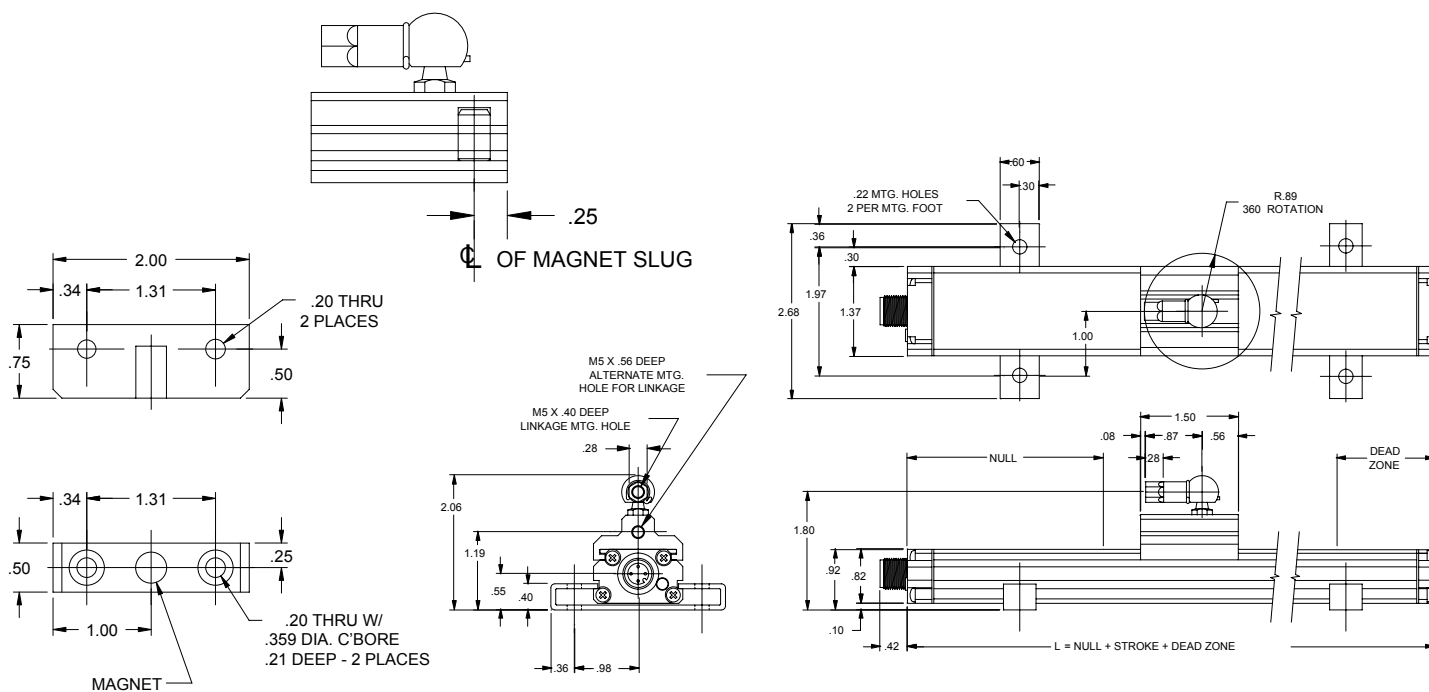
**Output Type**  
**V0** = 0 to 10 VDC  
**V1** = 10 to 0 VDC  
**C4** = 4 to 20 mA  
**C2** = 20 to 4 mA

**0120**

#### Stroke Length

Insert stroke length to 0.1 inch. Enter as a four-place number. **Example:** A 12.0" stroke enters as 0120. To convert a metric stroke in millimeters, multiply millimeter value by 0.03937 to arrive at inch value.

### Dimension Drawing



### Accessories

Item	Part Number
Slide Magnet	SD0521800
Float Magnet	SD0522100
Mounting Foot	SD0522000
6 Ft. Cable	949001L6
12 Ft. Cable	949001L12
6 Ft. Cable; Right Angle Connector	949002L6
12 Ft. Cable; Right Angle Connector	949002L12
Program Module	955-1412

### Wiring Diagram

Use Euro Connector (micro 12 mm single keyway) cordsets, available from most connector manufacturers or purchased from Ametek. Install according to the following diagram:

