

## 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 0-10 VDC or 4-20 mA. The unit can easily be re-scaled and changed from a 0-10 VDC to a 10-0 VDC or 4-20 mA to a 20-4 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.

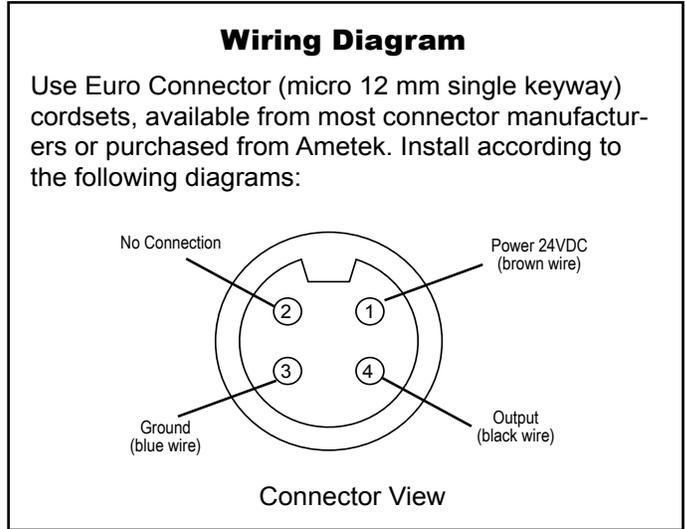
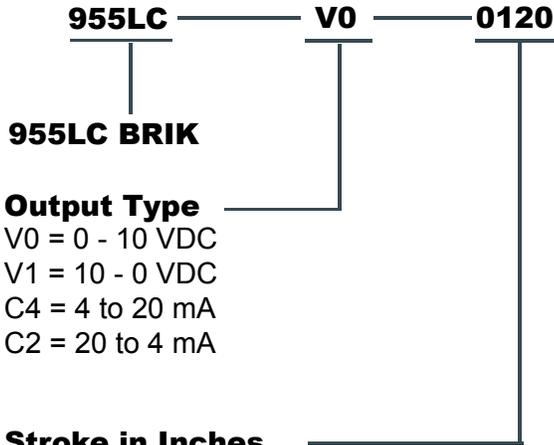
The 955LC BRIK is designed for OEM applications where economical continuous feedback is necessary. The sensor can be a cost effective replacement to limit switches, proximity sensors, linear potentiometers and LVDT's. Applications include presses, blow molding, injection molding, extrusion, roll positioning,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



### Specifications

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

### Part Numbering



| 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    |

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