

# **A WORLD OF SOLUTIONS**

# Linear & Rotary Position Sensors, Programmable Limit Switches, Network Connectivity & More



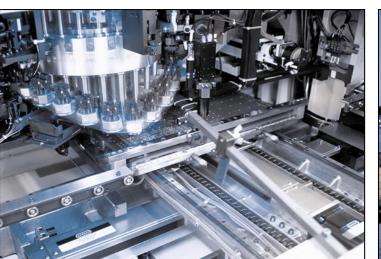




## **Linear Position Sensors**

GEMCO's durable and reliable linear position products are based on unique technologies, including magnetostriction. Our sensors come in a variety of packages and with features not found in competitive units. If you have an application requiring linear feedback and control, GEMCO has the solution.

| linear feedback and contro  | I, GEMCO has the solutior   |
|---|---|
| 940 Linear P  | osition Sensor (LPS)  |
| ARE DO  | <ul> <li>Economical Rod Style LDT</li> <li>Analog Output 4-20mA,<br/>0-10 VDC</li> <li>Stroke Length to 144"</li> <li>Input Voltage 15-26 VDC</li> </ul>  |
| 925 Ca  | ble Reel Sensor   |
|   | <ul> <li>Provides accurate position fe<br/>for linear motion up to 100 fe</li> <li>Stainless steel cable, 12 gauge<br/>housing for harsh environment</li> <li>Mounting for either resolver, e<br/>cam switch or rotary potentio</li> <li>Any manufacturer's sensor can<br/>integrated into this rugged house</li> </ul> |
| 950IS I   | ntrinsically Safe   |
|   | <ul> <li>Intrinsically Safe Rod Style LI</li> <li>Analog Output</li> <li>UL Listed for Class I,<br/>Groups C and D, and Class<br/>II Groups E, F and G, and<br/>Class III Hazardous Location</li> </ul>   |
| 950MD I   | Mill-Duty Housing   |
|   | <ul> <li>Stainless Steel Mill Duty<br/>"Rod Style" Protective<br/>Housing</li> <li>Stroke Length to 20 Feet</li> <li>Optional Ports for Air, Water<br/>or Vortex Air Cooling</li> <li>Ideal for Retrofitting Existing<br/>Hydraulic Cylinders</li> <li>Optional Bellows Boot</li> </ul>                                 |
|   | Quik-Stik II®   |
| CONTRACT OF CONTRACT. | <ul> <li>High Accuracy, High Speed F<br/>LDT</li> <li>Analog, Digital and Optional V<br/>Output</li> <li>Input Voltage 13.5-26 VDC</li> <li>Programmable Zero &amp; Span</li> <li>Stroke Length up to 300"</li> </ul>   |
|   |   |











ABSOLUTE PROCESS CONTROL. KNOW WHERE YOU ARE... REGARDLESS. AMETEK Automation & Process Technologies 1080 N. Crooks Road, Clawson, MI 48017-1097 Phone: 248.435.0700 Toll Free: 800.635.0289 Fax: 248.435.8120 www.AMETEKAPT.com

## 952 BlueOx® High Shock & Vibration Rod Style LDT Analog, Digital & Quadrature Outputs Stroke Length to 168" Input Voltage 15-26 VDC Optional Stainless Steel Housing Ideal for Harsh Environments 956 BLOK Housing Option For 955 Series LDT Two chamber industrial rod and barrel style enclosure for 955 series LDTs Stroke Length to 36" Electronics are isolated in a chamber with an IP67, optional IP68 rating Optional spherical rod ends 955 BRIK Gen III & 955S Smart BRIK eedback et Low Profile LDT uge steel • Analog Output 4-20mA, ent

0-10 VDC, -/+ 10 VDC, Digital Output encoder, Programmable Zero & Span ometer Stroke Length to 180" can be Wide Input Voltage Range ousing Optional Floating Magnet Diagnostic LED 955DQ BRIK w/Quadrature Output LDT Low Profile LDT • Quadrature Output Stroke Length to 180" Input Voltage 13.5-30 VDC Programmable Zero "Burst" Output for Absolute Positioning 7330 Pro-Stik II (Standard & Food Grade) Stainless Steel "Headless" Rod Style LDT Ideal for Liquid Level Sensing Intrinsically Safe Wide Range of Float Options • Available in Standard or 316 Grit Polished Stainless Steel **1746L LDT Interface Card**  Provides high resolution direct input Rod Style into an A-B SLC-500 PLC • Resolution to 0.001 inch (0.01 mm) • Single or dual channel versions Velocity • LDT is powered from card no external power supply required Motion detect and over-travel limits built-in



#### **Rotary Position Sensors**

These sensors detect the rotary position of a machine. This makes it possible to make quick process decisions for simple stop/start control or for complex output operations. We designed these products to be easy to use and install so that Programmable Limit Switch (PLS) for your application. machine change-over takes minutes, not hours.

#### **Programmable Limit Switches**

If you need dedicated control for the complexities of packaging, converting or gluing applications, or a basic I/O or shut height monitor on a stamping press, GEMCO has a

#### **Network Connectivity**

A seamless information relay from the production li people who need it, requires a smart network. GEN connectivity products include a variety of LDTs, Re and Programmable Limit Switches that make vital i available without interrupting production flow. We a home of smart, rugged sensors that speak your lar



## **Other Solutions**

|                               | •   |   |
|-------------------------------|---|---|
| line to the                   | 1025 Footswitch   |   |
| MCO's                         |   | Heavy Duty Treadle Operated                                   |
| esolvers                      |   | Foot Switch   |
| information                   |   |   |
| are the                       |   | NEMA 1 & 4     Ortional Distanting Course                     |
| nguage.                       |   | Optional Protective Cover                                     |
|                               |   | Single or Dual Circuit  |
| ards                          |   | Optional locking latch kit                                    |
| B-1746                        |   | <ul> <li>Optional pneumatic valve</li> </ul>                  |
|                               |   | installed in place of   |
|                               |   | electrical switches   |
| /I Data &                     | Linear Displacen  | nent Transducers  |
|                               |   | High Speed LDT  |
|                               |   | •   |
| e card                        | AND   | Analog, Digital, Quadrature and     Ortional Valuatity Output |
|                               |   | Optional Velocity Output                                      |
|                               | G CEMCO   | Input Voltage 13.5-26 VDC                                     |
|                               | Bundle hall   | Programmable Zero & Span                                      |
| C 5 backplane                 | CONCO CONCO   | Stroke Length up to 300"                                      |
| C-5 backplane<br>usec) output | 4000 0  |   |
| usec) output                  | 1999 Semele   | x Safetimeter   |
| image table                   |   | <ul> <li>Portable stamping press</li> </ul>                   |
|                               |   | safety device   |
| rable for                     |   | Checks stopping time and                                      |
| gistration                    | Caracter Sciences   | calculates safe distance for light                            |
| n, or                         |   | curtains, mats and other safety                               |
| ance/                         |   | devices   |
|                               |   | Systems accessories allow                                     |
| resolution                    |   | testing of safety devices                                     |
|                               | D B B   | response time as part of                                      |
|                               |   |   |
| <b>\</b>                      |   | setup   |
| µsec) outputs                 |   | Tachometer unit available to                                  |
| 5                             |   | test rotary devices   |
|                               |   | <ul> <li>Battery powered for remote</li> </ul>                |
| puts                          |   | location testing  |
| network                       | GEMCO Indu  | strial Brakes   |
| pter                          |   | AISE rated brakes   |
|                               |   | Electro-Thrust Shoe, Magnetic                                 |
|                               |   | DC Shoe, Solenoid AC Shoe and                                 |
|                               |   | Hydraulic Shoe configurations                                 |
| llows up                      | A COLORED AND A | Electro-Thrust Disc brakes                                    |
| vith                          |   | up to 17 inch diameter  |
|                               |   |   |
| bolt-in                       |   |   |
| st English                    |   |   |
| ders                          | 948 l im  | it Module   |
| ar reducers                   | 340 Em  |   |
| unit is                       |   | O-10 VDC Analog Input   |
| he industry                   |   | Four (4) Adjustable Setpoint                                  |
| vers                          |   | Outputs   |
| 1010                          |   | Solid State Outputs   |
|                               |   | (Sourcing or Sinking)   |
| lity and                      | A COLOR & COLOR &   | <ul> <li>Economical Packaging</li> </ul>                      |
| olver with                    |   |   |
| eNet                          |   | PAC   |
|                               | CAI   | RAC   |
|                               |   | Cable & Hose Carriers   |
| e set-points                  |   | All Steel Construction  |
| network                       |   | <ul> <li>Prevents Twisting &amp; Wear</li> </ul>              |
| data and                      |   | Withstands Severe Hydraulic                                   |
|                               |   | Shock Loads   |
| lodule                        |   |   |
| esolvers to                   | No. Comments (Comments)   |   |
|                               |   |   |
|                               |   |   |
|                               |   |   |
| e set-points                  |   |   |
| e set-points                  |   |   |
| e set-points<br>network       |   |   |
|                               |   |   |