

Other Solutions

1999 Semelex II Safetimeter



- Two Safetimeters in one; the same unit can be used to check full or part revolution presses
- Rugged construction built for pressrooms; will release a run or E-Stop button to initiate press stop when signaled
- Redesigned Auto-Flag connects to the Auto-Hand and is positioned outside the sensing field or personnel safety devices
- Heavy-Duty Position/Velocity Transducer uses industrial grade magnets for secure mounting to the base and upper bolster
- Quick-Charge Battery is built in and can be fully charged in eight hours or run off AC power

2120 PLC Interface Module



- Accurate, absolute position sensing device
- For use in harsh environments
- Use as a simple indicator of position, or as a PLC Interface Module generating digital signals
- Provides for serial and analog outputs to feed PLC's
- Can be interfaced with our LDT's and 925 Linear Cable Reel Sensors

1025 Footswitch



- Heavy duty treadle operated foot switch
- NEMA 1 & 4
- Optional protective cover
- Single or dual circuit
- Optional locking latch kit

Cable & Hose Carriers



- All steel or nylon construction
- Prevents twisting & wear of cables and hoses
- Steel withstands severe hydraulic shock loads
- Nylon resists corrosion and is non-conductive

925 Cable Reel Sensor



- Provides accurate position feedback for linear motion up to 100 feet
- Stainless steel cable, 12 gauge steel housing for harsh environment
- Mounting for either resolver, encoder, cam switch or rotary potentiometer
- Any manufacturer's sensor can be integrated into this rugged housing

GEMCO Industrial Brakes



- AISE rated brakes
- Electro-Thrust shoe, magnetic DC shoe, solenoid AC shoe and hydraulic shoe configurations
- Non-Asbestos Linings
- Made in the U.S.A.



MADE IN AMERICA

GEMCO®

A World of Solutions

Linear & Rotary Position Sensors, Programmable Limit Switches, Safety, and More



Absolute Process Control. Know Where You Are... Regardless.

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AMETEK®

Linear Position Sensors

The Gemco line of Linear Displacement Transducers use advanced filed proven Magnetostrictive technology to solve complex linear positioning applications. Engineered to perform and built to last, the Gemco linear displacement products and their complementary components will meet and exceed your process and positioning needs.

953 VMAX LDT



- Shock resistant to 1000Gs
- Vibration resistant to 30Gs
- Analog outputs, 0-10 VDC, +/-10 VDC, 0-5 VDC, +/-5 VDC, 4-20mA
- Digital output Start/Stop, Control Pulse, and Variable Pulse (PWM)
- SSI (Synchronous Serial Interface) 24, 25, or 26 Bit, Binary or Gray Code, Synchronous or Asynchronous Mode
- Removable cartridge
- IP68 rating
- Stroke length to 300"
- Input power range is 7 to 30 VDC
- Programmable zero and span
- Diagnostic Tri-Color LED

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 eBRIK™ II



- Low Profil LDT
- Non-contact technology
- Absolute analog feedback
- Economically priced
- Programmable Zero & Span points
- Industry standard mating cordset
- Floating or Slide magnet option
- Analog output 4-20mA, 0-10 VDC
- Stroke Length to 74"

950IS Intrinsically Safe



- Intrinsically safe rod style LDT
- Analog output
- UL listed for Class I, Groups C and D, and Class II Groups E, F and G, and Class III hazardous locations

950MD Mill-Duty Housing



- Stainless steel mill duty "rod style" protective housing
- Stroke length to 20 feet
- Optional ports for air, water or vortex air cooling
- Ideal for retrofitting existing hydraulic cylinders
- Optional bellows boot

955 BRIK Gen III & 955S Smart BRIK



- Low profile LDT
- Analog output 4-20mA, 0-10 VDC, +/- 10 VDC, digital output
- Programmable zero and span
- Stroke length to 180"
- Wide input voltage range
- Optional floating magnet
- Diagnostic LED

955DQ BRIK w/Quadrature Output



- Low profile LDT
- Quadrature output
- Stroke length to 180"
- Input voltage 13.5 to 30 VDC
- Programmable zero
- "Burst" output for absolute positioning

952 BlueOx®



- High shock and vibration resistance
- Analog, digital and quadrature outputs
- Stroke length to 168"
- Input voltage 15 to 26 VDC
- Optional stainless steel housing
- Ideal for harsh environments

957 Brik™ LDT



- Shock resistant to 1,000Gs
- Vibration resistant to 30Gs
- Analog, Digital and SSI outputs available
- Stroke lengths to 180"
- IP67 rating
- Diagnostic LED
- Competitive connector styles for Drop-in-replacement

7330 Pro-Stik II (Standard & Food Grade)



- Stainless steel "headless" rod style
- Ideal for liquid level sensing
- Intrinsically safe
- Wide range of float options
- Available in standard or 316 grit polished stainless steel

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 machine change-over takes minutes, not hours.

1980 Rotating Cam Limit Switch



- 2 to 40 circuits
- NEMA 1, 4, 5, 7, 9, 12 enclosures
- Easy access and quick adjustment
- Unparalleled flexibility
- Gear reducers and multipliers
- Timing dials
- Provisions for other sensors

1980R Rotating Cam Limit Switch



- With Resolver
- 2 to 40 circuits
- NEMA 1, 4, 5, 9, 12 enclosures
- Combination cam box and resolver
- No special tools required to adjust cam shaft
- Variety of resolver electronics to match the PLC

2000 & 2006 Rotary Limit Switches



- NEMA 1, 4, 7, 9, 12 enclosures
- Contacts rated to 10 amps @ 125 VAC
- Gear ratios from 5:1 to 5333.3 to 1
- 2, 3, 4 circuit

1983 Optical Cam Limit Switch



- Micro-adjust cams for precision settings from 1 to 359°
- Speeds from 1 to 3600 RPM
- NEMA 1 & 4, 7 & 12
- AC and DC outputs with 3 amp
- Plug-in Opto 22 outputs
- 2 to 40 circuits

1986 Mill Duty Resolver



- 1/4" (6.35mm) plate steel construction and jackshaft input to drive resolvers, encoders, tach generators
- Air purge fittings for positive pressure or cooling
- Vortex cooler or internal heaters for temperature extremes

1986 Resolvers



- Precision resolvers allows up to 14-Bit resolution with absolute position
- Packages are direct bolt-in replacements for most English and metric size encoders
- Internal precision gear reducers for multi-turn applications
- Most rugged foot mount unit
- Single or dual resolvers

Network Connectivity

A seamless information relay from the production line to the people who need it involves a smart network. Gemco's connectivity products include a variety of LDTs, Resolvers and Programmable Limit Switches that make vital information available without interrupting production flow. We are the home of smart, rugged sensors that speak your language.

ReadyLink EtherNet/IP LDT



- Available in Rod (953N) & Profile (957N) style packages
- Supports Star, Line and DLR (Device Level Ring) Topology
- RapidRecall™ Configuration Module stores all User settings
- Profinet and Profibus Networks (consult factory)

1986DN DeviceNet Resolver



- Combines the reliability and ruggedness of a resolver with the flexibility of DeviceNet communications
- 12-Bit resolution
- 8 user programmable set-points transmitted over the network
- Continuous position data and RPM over DeviceNet

DeviceNet Resolver Interface Module



- Interfaces standard resolvers to DeviceNet network
- 12-Bit resolution
- 8 user programmable set-points transmitted over the network
- Continuous position data and RPM over DeviceNet

Other Products

If you need dedicated control for the complexities of packaging, converting or gluing applications, or a basic I/O or shut height monitor, Gemco has a PLS for your application.

2110 Shut Height Monitor



- Modular Design
- Six Seven (7) Segment Large Display
- Ten Segment LED Bar Graph
- Two Serial Communication Ports
- Digital Input for Selector Switch
- Optional Relay Board
- Variable Pulse L.D.T. Input Module Board
- Control Pulse L.D.T. Input Module Board
- Resolver Input Module Board
- Designed to: UL 508 Specifications

2500 Programmable Limit Switch



- 8 to 64 high speed (100 μs) outputs
- RS485 communication
- 12-Bit resolution
- Brake monitor/motion detect
- Speed compensation/linear speed offset feature
- Die protection
- Windows® programmable for ease of set-up

1995 Micro-Set PLS



- Resolver or LDT input
- 6 to 30 circuits
- Programmable motion detect output relay
- Programmable speed compensation automatically advances or retards output on variable-speed lines
- Fault-check, self diagnostics monitor: resolver, microprocessor, interconnecting cables

The GEMCO brand of automation process controls, position feedback products, cable / hose carrier systems, and industrial brakes have over 65 years of proven performance in the world's harshest environments. Conditions of high shock, vibration, temperature, contaminants, and ultra-high speed processing are applications and manufacturing challenges we deal with and satisfy daily.