**APPLICATIONS:**

**Gemco Industrial Brakes**

- Various probe types for a wide variety of applications
- Measurement span from 1” (25mm) to 6ft
- Accurate measurement within 0.25% of span
- High temperature and high pressure design
- Allows level measurements in liquids, slurries, gases, and dust
- Made in the USA
- Full approvals for hazardous environments
- Ignores changes in dielectric or conductivity
- Line powered and 2 wire options available

**Diaphragm seals**

- Including 316L, Hastelloy, and Monel
- Available in over 20 different materials
- Threaded, flanged, flow through, saddle mount models available
- Laboratory tested—reduces 400° F process temperature extremes

**Model 1981 Gauge**

- 2-1/2 inch (63mm), 4 inch (100mm), or 6 inch (152mm) gauges before shipping
- Factor y mounts gauges before shipping
- High visibility yellow dial or luminescent dial
- Accuracy: ±0.5 of span
- Option for Intrinsically Safe operation
- SAE, and WASP series models available
- 5000 psig pressure

**Model 831 and IDT Transmitters**

- Various housing combinations
- Stainless steel and sanitary seals
- Designed with ¼” (6.35mm) plate steel

**Model 8590 Cable & Hose Management**

- Air purge fittings for positive pressure or cooling
- Internal precision gear reducers for multi-turn applications
- Precison resolvers with absolute position
- Rod Style LDT’s
- Air cooling ports to cool electronics
- Magnetostrictive LDT for high shock and temperature extremes
- SSI and EtherNet/IP Outputs
- Voltage, Current, Digital, PWM, Start/Stop, RPM

**Linear Displacement Transducer (LDT)**

- Guide Position for Furnace Tilt, Electrode Position, Mold Width Monitoring, Slab Handling, Roll Position
- Gate, Electrode Position, Tundish Car, Mold Width, Platen, Mud Gun, Lance Position, Furnace Tilt, Electrode Position, Cranes, Stacker/Reclaimer, Crane Control
- Position, Roll Position, Turret Position, Mold Width, Slab Handling, Roll Position
- Gates, Electrode Position, Tundish Car, Mold Width, Platen, Mud Gun, Lance Position, Furnace Tilt, Electrode Position, Stacker/Reclaimer, Crane Control

**Linear Position, Rotary Position, Cable & Hose Management, Brakes, Level, Pressure**

**Measurement Solutions**

**FOR THE STEEL MILL INDUSTRY**

- Linear Position
- Rotary Position
- Cable & Hose Management
- Brakes
- Level
- Pressure
Universal II & IV

DR-6300 – Non contact Radar for Solids

APPLICATIONS:

- EAF Furnace Cover
- Bin and Container Measurement
- Berry Picking Equipment
- Cotton Bale Moisture
- Bin Level Measurement
- 1986 Series Resolver
- Series 953, 955, 956 & 957
- 950MD Mill-Duty Housing
- Linear Displacement Transducer (LDT)
- 2000 / 2006 Rotary Limit Switch
- 2120 PLC Interface Modules

Electronic Product Management

- Model 422 and 427 Transmitters
- Range 0-10m to 0-50m
- Measurement accuracy ±0.5% of span
- 4–20mA output
- Optional 4–20mA output
- Response time of less than one second

IntelliPoint

- Dynamic Range 2.5m to 30m in dusty applications
- Range±0.12 in. (±3mm) standard accuracy
- Auto Calibration – simply install and apply
- Full approvals for hazardous environments
- Response time of less than one second

The Point

- (1829mm) with no dead zone
- Unique Drop Antenna design pr events build up
- Allows level measurements in liquids, slurries,
  pastes, powders and more
- Solenoid AC shoe and Hydraulic shoe
- Max. pressure of 5,000 psi
- Temperature down to 100° F
- Max. temperature extremes
- Optional Mill Duty Housings available for
  safe location
- Designed to protect cables and hoses from
  abrasive, wear and twisting
- Nylon resists corrosion and is non-conductive
- Available with a host of outputs
- Lengths up from 1” to 300”
- Voltage, Current, Digital, PWM, Start/Stop,
  SSI and EtherNet/IP Outputs
- Options available

Sta-Kool Cooling Element

- Model 1981 Gauge
- Applications:
  • Electronic Pressure Measurement
  • Thr eaded, flanged, flow through, saddle mount
  • Stainless steel cable, large dual springs, and 12
    Air cooling ports to cool electronics
  • Simplified 2 point mounting and easy of replacement
  • Allows up to 14-Bit resolution
  • Precision resolvers with absolute position

Universal II IV

- Universal II IV with up to 3000 ft. of cable
- Compatible digital, analog, or limit switch outputs
- Designed as a mill duty housing for
  NEMA 1, 4, 7, 9 and 12
- Contaminant and Explosion Proof
- Up to 4 Circuits
- Futureproofed for future technologies

Linear Displacement Transducer (LDT)

- Range 0–10m, 0–50m
- 4–20mA output
- ±0.5% of span
- 8 to 64 high speed outputs
- Options available

Contact: Cable & Hose Connectors

- Contact: Cable & Hose Connectors
- Options available
- Stainless Steel Mill Duty protective housing for
  futureproofing and reliability
- nylon resists corrosion and is non-conductive
- Steel, Stainless Steel and Nylon construction

The Products You Need for the Steel Mill Industry

Measurement Solutions

FOR THE STEEL MILL INDUSTRY

- Linear Position
- Rotary Position
- Cable & Hose Management
- Brakes
- Level
- Pressure
DR-7000 – Level Radar

APPLICATIONS:
- The Point
- IntelliPoint
- Gemco Industrial Brakes
- EAF Furnace Cover

- Various probe types for a wide variety of applications
- In dusty applications
- Echo rejection, even with agitators
- Measuring range up to 260ft (80m)
- Unique Drop Antenna design prevents build up
- Auto Calibration – simply install and apply
- Line Powered and 2 wire options available
- Made in the USA

Model IDT has FM, ATEX, and IECEx approved
5000 psig
Pressure ranges from 0 to 1 psig through 0 to
1080 North Crooks • Clawson, MI 48017 U.S.A.
E-mail: usg.sales@ametek.com
www.ametek.com.br

The Products You Need for the Steel Mill Industry

Electronic Proximity Sensors
Model 852 and 852T

- Digital position sensor
- Robust housing
- Resistant to electro-magnetic interference
- Temperature range from -40°C to +85°C

Model 955 Free Space Range
- Robust sensor for free space
- Meets IEEE 488.2, RS-232, and Ethernet
- Suitable for industrial applications

Electronic Proximity Sensors
Model 1981 Gauge

- Electronic pressure measurement
- Max. pressure of 5,000 psi
- Temperature down to 100° F
- Available in over 20 different materials
- 1/2-14 NPT male x 1/2-14 NPT female
- Filling liquid: glycerin, silicone, mineral oil
- Accuracy: ±0.5 of span
- High visibility yellow dial or luminescent dial
- 316L stainless steel with seamless bourdon tube
- Model IDT has FM, ATEX, and IECEx approved

Linear Displacement Transducer (LDT)
Series 953, 955, 956 & 957

- Linear Position
- Rotary Position
- Linear Displacement
- Analog, or cam
- Provides monitoring of Resolver or Linear Sensors
- Designed with ¼" (6.35mm) plate steel
- Internal precision gear reducers for multi-turn
- Air cooling ports to cool electronics
- Lengths from 1" to 240"
- Stainless Steel Mill Duty protective housing for
- Furnace Tilt, Electrode Position, Mold Width Monitoring,
- Furnace Tilt, Electrode Position, Turret Position, Torch
- Roll Change, Down Coiler, Coil Position, Side Trimmer, Air
- Torch Cut-off, Walking Beam, Side Guide, Roll Position,
- Air cooling ports to cool electronics
- Lengths from 1" to 240"
- Stainless Steel Mill Duty protective housing for
- Furnace Tilt, Electrode Position, Mold Width Monitoring,
- Furnace Tilt, Electrode Position, Turret Position, Torch
- Roll Change, Down Coiler, Coil Position, Side Trimmer, Air
- Torch Cut-off, Walking Beam, Side Guide, Roll Position,
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- Furnace Tilt, Electrode Position, Mold Width Monitoring,