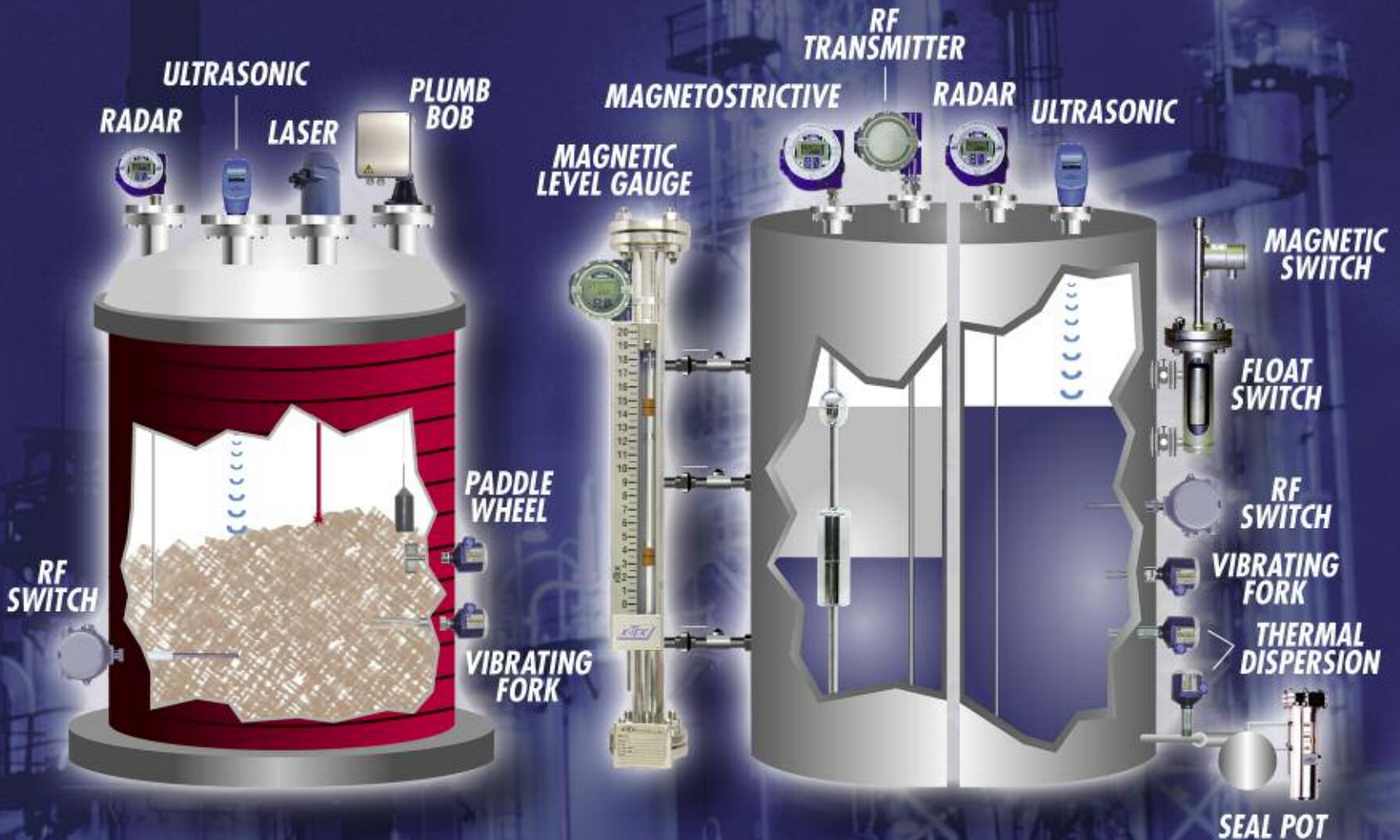
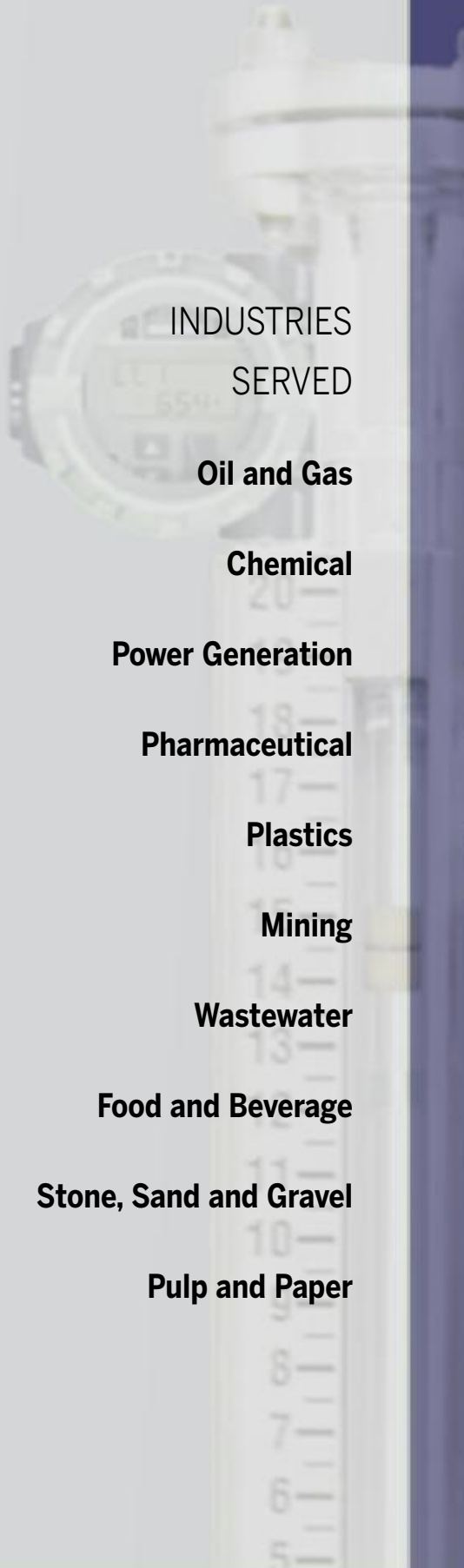


Liquid Level and Bulk Solids Solutions



The Direction in Level Detection!



INDUSTRIES
SERVED

Oil and Gas

Chemical

Power Generation

Pharmaceutical

Plastics

Mining

Wastewater

Food and Beverage

Stone, Sand and Gravel

Pulp and Paper

K-TEK IS A LEADING GLOBAL MANUFACTURER of state-of-the-art instrumentation for liquid and bulk solids level detection. The company has over 250,000 installations worldwide in such applications as oil and gas production, chemical processing, pulp and paper processing, mining and construction, food and beverage manufacturing, plastics manufacturing, and power generation. K-TEK operates offices, service locations, and research and development facilities around the world.

K-TEK focuses its extensive engineering, manufacturing, and applications expertise exclusively in the area of level measurement. Year after year, the company pushes the leading edge of technical innovation and consistently commits to R&D, one of the largest investment per revenue dollar of any level company in the world.

K-TEK is also committed to the highest degree of product quality and customer service, which is exemplified in the solutions approach that is taken with each individual customer. K-TEK is set apart from the competition by its ability to design and manufacture equipment for some of the toughest industry applications. K-TEK has additional capabilities well beyond our competitor's limitations with our broad selection of materials, factory installed accessories, and quick shipment programs.



MAGNETICALLY COUPLED LIQUID LEVEL GAUGES



KM26

FEATURES:

- Upper Fluid and/or Interface Level Measurement
- Pressures from Full Vacuum to 4500 psi (310 bar)
- Temperatures from -320°F to 1000°F (-195°C to 538°C)
- Specific Gravity as Low as 0.25
- Extruded Outlet Process Connections
- Up to 60 ft. Chamber Lengths
- Precision Fabricated Floats
- Highly Visible Level Indication with No Process Fluid in Contact with Glass
- Shuttle or Magnetic Bargraph Indicators
- Hermetically Sealed
- Indicator Scale Options (English, Metric, Percent, Custom)
- All Construction in House by ASME Welders
- Available in Top, Side, and Bottom Mounting Configurations

FACTORY INSTALLED ACCESSORIES:

- Magnetically Actuated Switches
- Thermal Dispersion and Vibrating Fork Switches
- **AccuTrak™** Magnetostrictive Transmitters
- High Temperature and Cryogenic Service Insulation
- Steam and Water Jackets
- Electric and Steam Tube Heat Tracing
- Drain, Vent, and Isolation Valves
- Magnetic Particle Traps

AVAILABLE MATERIALS:

- Stainless Steel - 304, 304L, 316, 316L
- Alloy 20
- Hastelloy C276, B3
- Teflon, Tefzel, and Halar Coatings
- Titanium
- Aluminum
- Incoloy 600, 625, 800 & 825
- Fiberglass - Epoxy or Vinyl Ester Resin
- PVC, CPVC, KYNAR, Polypropylene and Other Engineered Plastics Available



16 Standard
QuikShip™ Models
Now Available



MagWave™ DUAL CHAMBER LEVEL SYSTEM



MW05 Dual Chamber Level System

FEATURES:

- Highly Visible Level Indication
- Single Probe Guided Wave Radar Transmitters (No need for coaxial probes)
- Compact Close-Coupled Chambers
- Separate Chambers Provide Unobstructed Float Travel
- Extruded Outlets and Smaller Chamber Sizes
- Precision Fabricated Floats
- Temperature Range -60°F to 800°F (-51°C to 427°C)
- Pressures to 3000 psi (207 bar)
- Additional Transmitters And Switches May Be Added for Redundant Measurement
- Optional Vent, Drain, and Isolation Valves
- Insulation for High Temperature and Cryogenic Service Applications



MAGNETICALLY ACTUATED SWITCHING MECHANISMS

K-TEK offers this complete line of switching mechanisms commonly used in conjunction with KM26 magnetic level gauges & LS Series cage level switches.



MS30

FEATURES:

- 1 Amp SPDT Bistable Reed Switch
- NEMA 4X Housing



MS30EX



MS40

FEATURES:

- 10 Amp DPDT Cam Driven Snap Action Bistable Switch
- 316SS NEMA 4X Housing Available
- High Temp Options to 800° F (427° C)



MS40EX

MS41

FEATURES:

- 10 Amp DPDT Cam Driven Snap Action Bistable Switch
- Hermetically Sealed Switching Mechanism
- Dual Compartment 316LSS NEMA 4X Housing
- For High Vibration and High Temperature Applications



PS35

FEATURES:

- Pneumatic Switch
- Air Consumption: 0.10 SCFM at 100 psi / 2.8 liter per minute at 6.9 bar
- Supply Pressure: 15 to 100 psi / 1 to 6.9 bar
- 316 SS NEMA 4X Housing



PS45

FEATURES:

- Pneumatic Switch
- Zero Air Consumption
- Supply Pressure: 1 to 100 psi / 0.7 to 6.9 bar
- 316 SS NEMA 4X Housing



ACCUTRAK™ MAGNETOSTRICTIVE LEVEL TRANSMITTERS

AT100 / AT200

FEATURES:

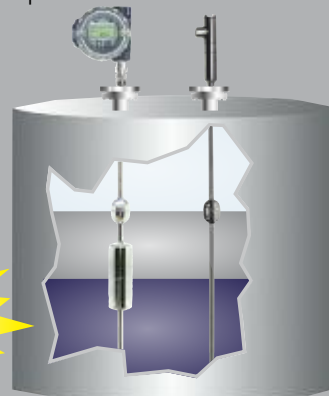
- AT100 Direct Insert or AT200 attached to KM26 MLG
- Upper Fluid and/or Interface Level
- High Accuracy - .01%
- Loop Powered to 75ft (22m) Probe Length
- HART, Honeywell DE, or Foundation Fieldbus Protocol Available
- Process Temperatures to 800° F (427° C)
- Process Pressures to 3000 psi (207 bar)
- Optional 20pt Strapping Table
- Optional Single Point Temperature Output
- Dual Compartment Enclosure
- "Displacer Replacer"
- Integral RFI Protection
- Custom Floats Available
- Interfaces as Low as .03 SG



AT500 / AT600

FEATURES:

- AT500 Direct Insert or AT600 Attached to KM26 MLG
- Low Cost
- Upper Fluid or Interface Level
- High Accuracy - .02%
- Loop Powered to 16ft (5m) Probe Length
- Process Temperatures to 450° F (232° C)
- Process Pressures to 1800 psi (124.1 bar)
- High Resolution 4-20 mA Output
- Simple Mounting and Installation
- Very Compact Design
- Calibrates without Opening Enclosure
- Stainless Steel Housing
- Custom Floats Available
- No Process Piping or Valve Required
- "Displacer Replacer"



GUIDED WAVE RADAR LEVEL TRANSMITTERS



MT5000 for Liquid Level and Interface

FEATURES:

- Radar Signal Travels Along the Waveguide which Eliminates False Echoes and Minimizes Signal Loss
- Graphic Display with Waveform Screens
- Multiple Language Menu
- High Resolution 4-20mA Output
- HART, MODBUS or Foundation Fieldbus (pending) Protocol Available
- No Moving Parts
- Process Pressure up to 5000 psi (344 bar)
- Process Temperature up to 800°F (427°C)
- Rigid, Flexible, Coaxial, and Dual Probes Available
- Unaffected by Atmospheric Conditions by Changing Fluid Density
- User Friendly Set-up and Calibration
- Dual Compartment Enclosure
- Field Replaceable Electronic Module
- Lengths 2 to 200 ft. (0.6 to 61m)



MT5100 Level/Interface, Radar Transmitter

FEATURES:

- The MT5100 Provides Both Lower and Upper Fluid Level Indications
- Flooded or Non-Flooded Chambers
- Transmission of Interface and Upper Fluid Signals with the Use of the Optional RI100 Repeat Indicator Transmitter
- Detection of the Presence of a Rag Layer (Patent Pending)

MT5200 for Bulk Solids Level

FEATURES:

- Ideal for Plastic Pellets and Powders
- Flexible Cable Lengths to 50ft. (15m)
- Can Measure Levels with Dielectric Constants (ϵ_r) as Low as 1.3
- Heavy Duty Coupler Mounting Options Capable of Bulk Densities to 50 pcf and 10,000 lbs. of Pull Strength

KSONIK™ ULTRASONIC LEVEL FOR LIQUIDS & SOLIDS

KSONIK I / III

FEATURES:

- New GAP Technology (Dynamic Gain, Amplitude & Pulses)
- Improved Signal Averaging Buffer
- Built-in Recorder
- Ranges Up to 197 ft. (60m)
- Single or Dual Channel Capability
- 128 x 64 Dot Graphic Display
- 21 Point Linearizer
- Three to Five Relay Outputs
- Wide Range of Transducers



TRANSDUCERS



K10C



K10FC



K20C



K60C

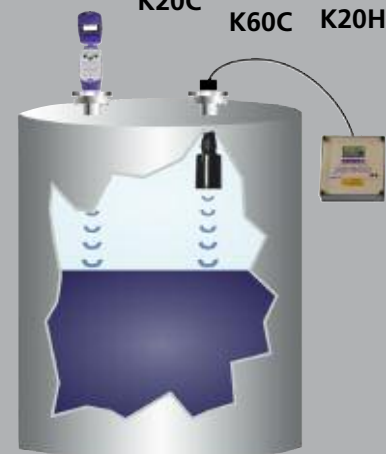


K20HC



MICRO FEATURES:

- Low Cost, Compact Level Transmitter or Switch
- 2 Wire Loop Powered Version Available
- Range to 26 ft. (8m) in Liquids and 10 ft. (3m) in Solids
- Single Instrument, "Stand Alone"
- Four Digit Alpha-Numeric Display
- Simple Installation and Configuration
- Flange Mounting Available



LASER TRANSMITTERS FOR LEVEL, DISTANCE & POSITIONING

LASERMETER™ 200

FEATURES:

- Range up to 200 ft. (60m) (Level Applications) and up to 1312 ft. (400m) (Positioning Applications)
- No Beam Divergence = No False Echoes
- Measures any Surface at any Angle with Narrow Beam
- Rugged and Robust Enclosure
- Built-in Laser Pointer
- Accepts 110/220 VAC and +24VDC Input Voltages
- Last Pulse Detection for Measurement with Light and Moderate Dust
- Laser Safety: Class 3R



LASERMETER™ 80

FEATURES:

- Range up to 100 ft. (30m) (Level Applications) and up to 500 ft. (150m) (Positioning Applications)
- No Beam Divergence = No False Echoes
- Measures any Surface at any Angle
- Rugged and Robust Aluminum Enclosure
- Heated Glass Option
- Built-in Purge Port (1/8" FNPT)
- No Calibration Required
- No Special Configuration Software Required
- Last Pulse Detection for Measurement with Light Dust
- Laser Safety: Class 3R



SURESHOT™

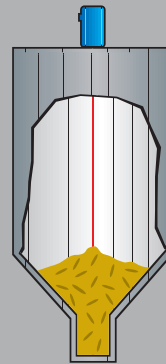
SURESHOT™140XP

FEATURES:

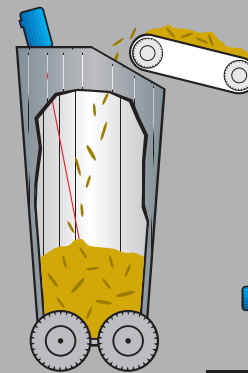
- Long Range to 240 ft (75m)
- No Beam Divergence = No False Echoes
- Measures any Surface at any Angle with Narrow Beam
- Explosion Proof Dual Compartment Enclosure
- Built-in Laser Pointer
- Easy Set-up: Push Buttons or HART Protocol
- Local LCD Display Indication
- Laser Safety: Class 3R



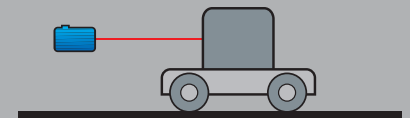
COMING SOON



Measurement in Bins and Silos



Level Control in Roller Crushers



Tripper car Positioning

LASERMETER™ 2D CONVEYER BELT SCANNER

FEATURES:

- Belt Scales Replacement Alternative
- Non-contact Conveyor Volume and Speed
- Simple Installation During Conveyor Operation
- Totalizer for Real Time Throughput Mass Calculation
- No Routine Maintenance
- Integral Non-Contact Belt Speed Sensor
- Integral Laser Pointer for Alignment
- Integral Dust Tubes
- Laser Safety: Class 3R



NEW PRODUCT

LASERMETER™ 3D VOLUMETRIC MEASUREMENT SILOS AND STOCK PILES

FEATURES:

- Diagonal Measuring Range: 5ft (1.5m) to 115ft (35m)
- Non-contact Volumetric 3-D Scanner
- Single Point Level Measurement
- Rugged and Robust Housing
- Totalizer for Real Time Mass Calculation
- Integral Laser Pointer for Alignment
- Integral Dust Tubes
- Laser Safety: Class 3R



NEW PRODUCT

MECHANICAL LEVEL SWITCHES

LS Series Mechanical Level Switches

FEATURES:

- Rugged and Robust Chamber Design for Demanding Applications
- One Step Switch Point Adjust
- Precision Fabricated Floats and Displacers
- Compact Switching Mechanism Eliminates Bulky Housing and Traditional Bias Springs
- Easily Retrofitted to Most Competitor Models
- Eight (8) Standard Designs and Six (6) Compact Switching Mechanisms
- Over 100 Configurations Available

**EXPANDED
PRODUCT LINE**

Available Configurations



Side/Side



Side/Bottom



Side/Side/
Drain



Top Mount

ROTARY PADDLE SWITCHES FOR SOLIDS

KP

FEATURES:

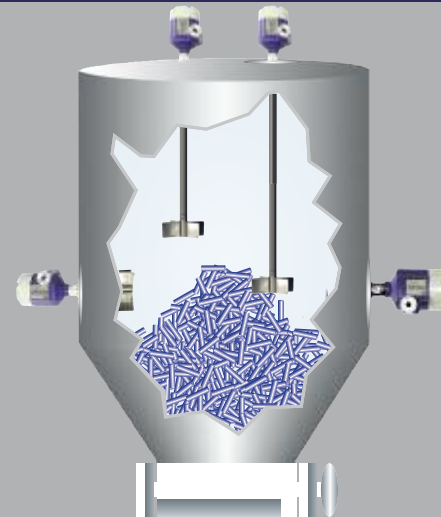
- Drop in Replacement for Existing Rotary Paddle Switches
- Variety of Paddles for Differing Densities (10 pcf and greater)
- Mounting for Side or Top of Silo/Bin
- Reduced Footprint



- Two 20 Amp, SPDT Switches
- 120 or 240 Operating Voltage
- Non-Contact, Double Shielded Bearings
- Screw on Cover for Easy Accessibility
- Shaft Lip Seal Rated to 140 psi (9.7 bar)
- Stainless Steel Mounting Plate
- Optional Indicator Light
- Extensions to 20 ft. (6m)

**QUIKSHIP™
PROGRAM**

8 Standard Models
Ready to Ship



THERMAL DISPERSION SWITCHES FOR FLOW / LEVEL / TEMPERATURE

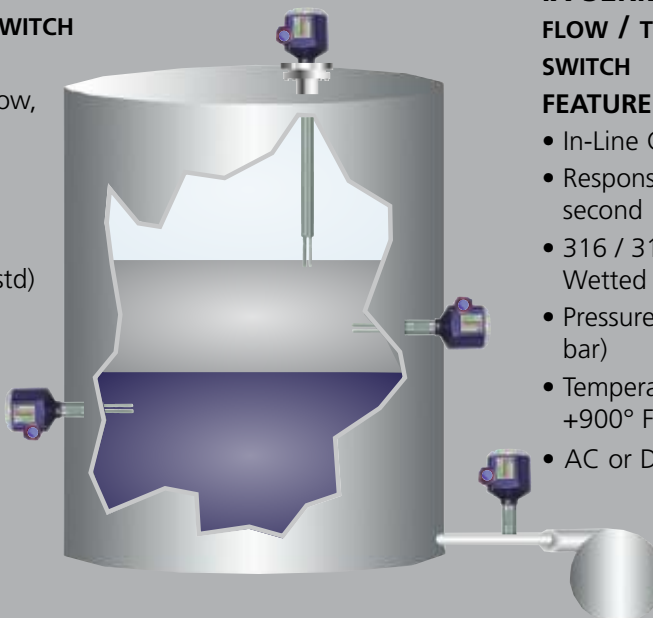


TX SERIES

FLOW / LEVEL / TEMPERATURE SWITCH

FEATURES:

- One Switch for Gas or Liquid Flow, Liquid Level, Interface Level or Temperature
- Explosion Proof
- No Moving Parts
- T316L Stainless Steel, Welded (std)
- Exotic Alloys for Corrosive Applications
- Temperature Range -320° F to +900° F (-195° C to 482° C)
- Pressures to 10,000 psi (689 bar)
- Custom Insertion Lengths to 100 inches (2540mm)
- AC or DC powered



IX SERIES

FLOW / TEMPERATURE SWITCH

FEATURES:

- In-Line Configuration
- Response Time from 1 second
- 316 / 316L Stainless Steel, Wetted Parts
- Pressures to 10,000 psi (690 bar)
- Temperature Range -320° F to +900° F (-195° C to 482° C)
- AC or DC powered



RESONATOR™ VIBRATING LEVEL SWITCHES FOR LIQUIDS



RS80 COMPACT SWITCH

FEATURES:

- 3/4" MNPT Process Connection
- Single Compartment Housing with Viewing Cover
- Field Selectable Parameters with External Magnet or Internal Pushbuttons (Fail Safe, Density)
- Accepts Universal Input Voltage

RS85 MULTIPURPOSE SWITCH

FEATURES:

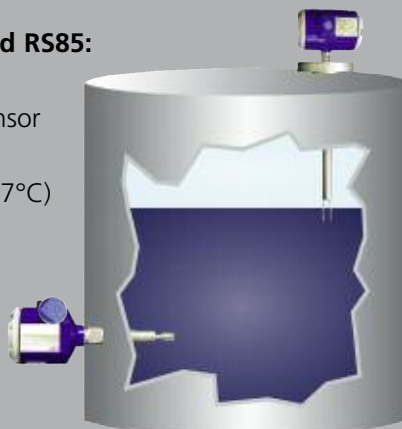
- 3/4" and 1" (MNPT, BSPT) Process Connection
- Choice of International Flanges and Range of Tri-clamp Fittings and Probe Finishes
- Single or Dual Compartment Housing with Viewing Cover
- Field Selectable Parameters with External Magnet or Internal Pushbuttons (Fail Safe, Density, Time Delay)
- Available Sensor Materials, Stainless Steel, Hastelloy, Monel and Halar/PFA Coatings
- Optional Hermetically Sealed Sensor
- Accepts Universal Input Voltage



**QUIKSHIP™
PROGRAM**

FEATURES COMMON TO THE RS80 and RS85:

- Accepts Universal Input Voltage
- Immune to Coating or Build-up on Sensor
- Robust Sensing Element
- Temperatures between -40°F to 350°F (-40°C to 177°C)
- Pressures to 2000 psi (138 bar)
- Viscosity up to 20000 cP
- Density from 0.5 SG
- Modular Electronics with Alarm Status LED
- Self-Test Diagnostic
- Extended Probe Lengths to 120 inches (3048 mm)
- 8 amp DPDT Relay

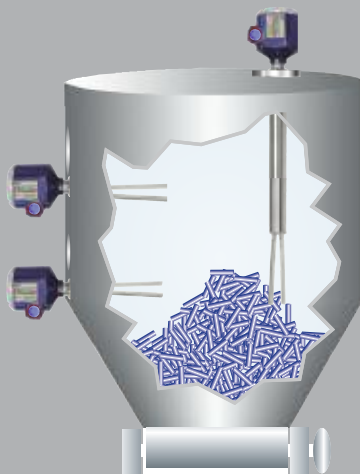


VIBRATING LEVEL SWITCHES FOR SOLIDS

SF50

FEATURES:

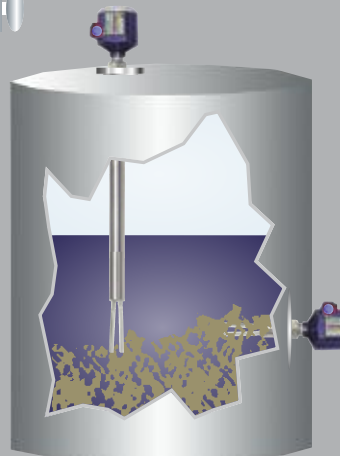
- Accepts Universal Input Voltage
- Acceptable for Most Powders and Granulated Materials Down to 1.3 PCF
- Modular, Rugged & Simple Design
- Patented Piezo Sensor Element
- Maintenance Free
- No Calibration Required
- Self-Cleaning
- Extensions to 156 inches (3962 mm)
- Optional Mounting Plate



SF60

FEATURES:

- Detection of Solids in Liquids
- Accepts Universal Input Voltage
- Acceptable for Most Powders and Granulated Materials
- Modular, Rugged & Simple Design
- Patented Piezo Sensor Element
- Maintenance Free
- No Calibration Required
- Self-Cleaning
- Extensions to 156 inches (3962 mm)
- Optional Mounting Plate



RF CAPACITANCE TRANSMITTERS & SWITCHES

KCAP300™

With KSHIELD™ Sensing Probes and Single Setpoint Electronics

FEATURES:

- Liquids and Bulk Solids
- KSHIELD™ Sensing Probes and Single Setpoint Electronics that Provide Immunity to Buildup
- Integral and Remote Electronics (Modular)
- Easy Set-Up Via External Magnet or Pushbuttons
- Housing with Glass Viewing Cover
- Wide Variety of Sensing Probes to (450°F / 800 psi)
- Single Point Detection
- Single Touch Initialization
- Element Sensitivity Down to 0.5 pF
- Time Delay

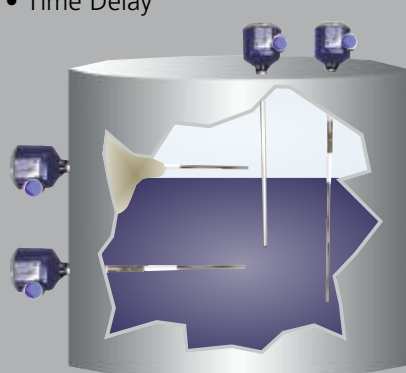


KCAP400™

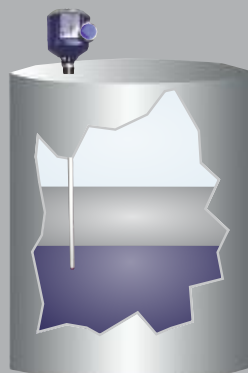
Dual Set Point and Pump Control

FEATURES:

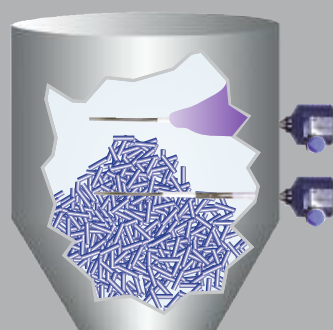
- Liquids and Bulk Solids
- KSHIELD™ Sensing Probes and Single Set Point Electronics that Provide Immunity to Build Up
- Integral and Remote Electronics Available (Modular)
- Easy Set-Up Via External Magnet or Pushbuttons
- Housing with Glass Viewing Cover
- Wide Variety of Sensing Probes Available (450°F / 3000 psi)
- Field Selectable Modes of Operation:
 - Single Set Point
 - Dual Set Point
 - Pump Control



Liquid and Slurrings



Interface Detection



Powders and Granulars

A75

FEATURES:

- Low Cost
- Totally Potted Electronics
- Built-in Static Protection
- Vibration Resistant
- DPDT Relay
- Ambient Temperatures up to 185° F (85° C)
- NEMA 4 Enclosure
- 5, 10 or 15 Second Time Delay
- Field Selectable Fail-Safe



A38

FEATURES:

- Low Cost Microprocessor Based Transmitter
- 4-20 mA Output
- Ideal for Interface Measurements and Finished Goods
- Minimum Dielectric 1.7
- Closed Case Calibration
- Calibrates with External Magnet or Pushbuttons in Partially Filled Tank
- Dual Compartment Enclosure

A02

FEATURES:

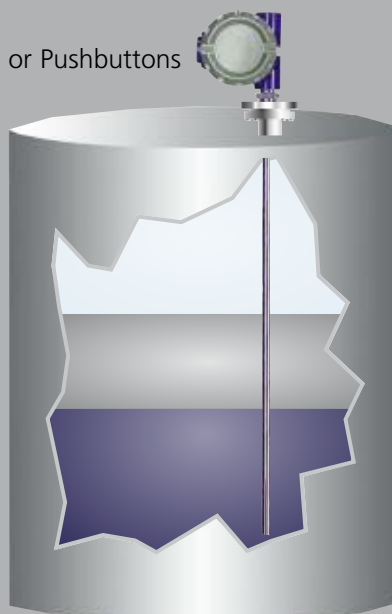
- Remote Mounting up to 50 ft.
- Built-in Static Protection
- DPDT Relay
- Ambient Temperatures up to 185° F (85° C)
- Explosion Proof Enclosure
- 0 to 30 Second Time Delay
- Temperature Compensation
- Switching Capacitance of 0.2 pF
- Optional Switching Differential
- Field Selectable Fail-Safe



A77

FEATURES:

- Modular Electronics
- Built-in Static Protection
- DPDT Relay
- Rugged Probe Designs
- Ambient Temperatures up to 185° F (85° C)
- Explosion Proof Enclosure
- 5, 10 or 15 Second Time Delay
- Field Selectable Fail-Safe



FLOAT SWITCHES & DISPLACER RETROFITS



MS50 Multi Point Liquid Level Sensor

FEATURES:

- Unique Magnetic Coupling Concept
- Switch Trip Points Adjustable without Removing Vessel from Service
- Up to Six (6) SPDT Switches per unit
- Interface Level Capability
- Switch type: Hermetically Sealed, Magnetically Biased, Bistable Reed Switch, SPDT
- Use for Pump Start & Stop



MS10 Electric Level Switch

FEATURES:

- Hermetically Sealed SPDT Switch
- Pressure to 5000 psi (345 bar)
- Extended Lengths Available
- Choice of International Flanges
- Precision Fabricated Floats



MS8 Extended Body Horizontal Electric Level Switch

FEATURES:

- Detects Liquid Levels with a Specific Gravity as low as 0.4
- Custom Insertion Length up to 24 inches (610mm)
- Available with Polypropylene Displacer (MS8D) or Stainless Steel Float (MS8F)
- Electrical Contacts are Magnetically Isolated from Process
- Mounting via 1" NPT Process Connection
- Hermetically Sealed SPDT Switch
- Vibration Resistant
- MS8D: 2500 psi @ 180°F (172 bar @ 82°C) ratings
- MS8F: 600 psi @ 300°F (41 bar @ 150°C) ratings



MS8F Electric Level Float Switch



MS8D Electric Level Displacer Switch

Displacer Replacer

FEATURES:

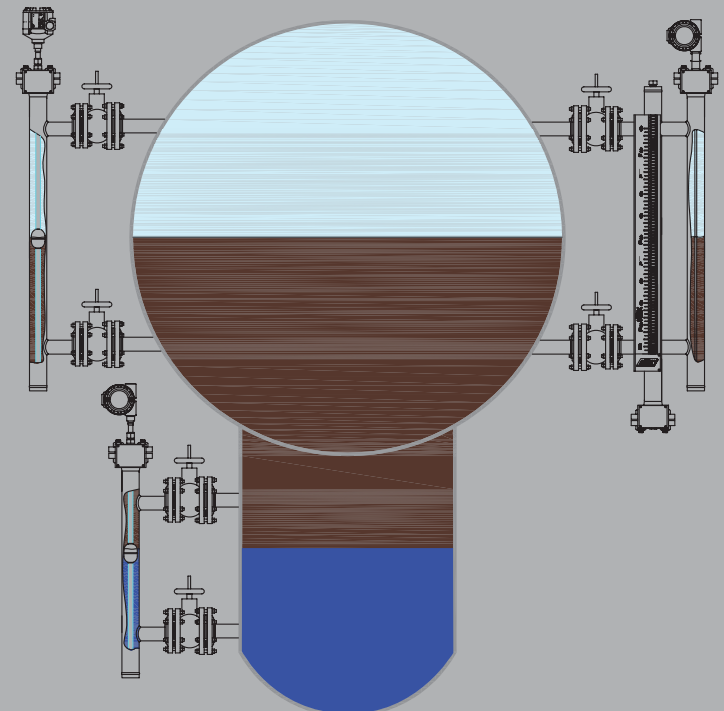
- Direct Drop-In Replacement for all Conventional Displacer Switches and Controllers
- Supports Several K-TEK Level Detection Technologies

CONTINUOUS TRANSMITTERS

AT100
AT500
MT5000
MT5100
A38

POINT LEVEL SWITCHES

MS50
RS80/RS85
TX
A02
A75
A77
KCAP 400
KCAP 300



PLUMB BOB DEVICE



KB

FEATURES:

- Appropriate for Nearly all Kinds of Bulk Solids
- Insensitive to:
 - Changes in Product Density
 - Dust in the Silo
 - Changes in Moisture of the Material
 - Products that are Inclined to Stick
- Very Simple Installation and Start-Up
- Very Accurate Measurement
- Internal Tape Cleaner (Tape Version)
- Variety of Sensor Weights
- Robust Die Cast Housing
- Available in Rope (98 ft./30 m Max) or Tape (75 ft./23 m Max) models
- Dual Compartment Enclosure



PUMP SEAL PROTECTION

ST95 SEAL FLUID SUPPLY SYSTEM

- Highly Visible Fluid Level Indication via a Magnetically Coupled Shuttle
- No Barrier Fluid in Contact with Glass
- Safe for High Temperature/Pressure Applications
- ASME Code Stamp and PED Certificate Available
- K-TEK's Magnetostrictive and Guided Wave Radar Transmitters can be used in Tandem with the ST95 for a Continuous 4-20mA Output
- A Variety of Magnetic Switches and other Accessories are Available



FIELD INDICATORS



KVIEW10™
KVIEW100™
Four or Eight Channel
Digital Controller



RI100
Repeater Indicator



LPM200
Loop Powered Digital
Indicator-Explosion
Proof



APM100
Analog Process
Monitor
Explosion Proof



DPM100
Analog Input with
2 Alarm Set Points



- ★ *K-TEK Corporate Headquarters*
- *K-TEK Sales Offices*
- *K-TEK Manufacturing Facilities*



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REPRESENTED LOCALLY BY:

The Direction in Level Detection!