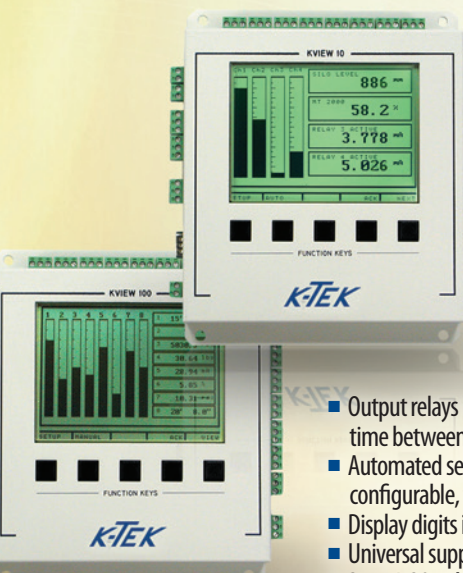


Field Indicators & Controllers



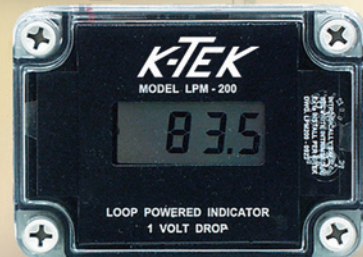
KVIEW10 KVIEW100

Digital Controllers

- MODBUS RTU communications
- Ability to read 8 ea. 4-20 mAdc inputs and 4 ea. pulse inputs
- Relay outputs with adjustable dead band

- Output relays may be set-up for variations in pulse width and time between pulses
- Automated sensor calibration, menu driven set-up, PC configurable, tag names
- Display digits in any engineering units
- Universal supply voltage: 8-30 VDC and 120 VAC std.
- 2 ea. 4-20 mAdc programmable outputs
- 9 Relay supervisory or summary alarm

Specialty Level Instrument



LPM200

Loop Powered Digital Indicator

- Two ranges of zero and span allows calibration in engineering units
- Operating power derived from current loop
- 2.5 volt maximum voltage drop
- Large 3/4 inch, 3.5 digit liquid crystal display
- Compact design
- NEMA 4X or explosion-proof versions
- Designed and constructed to FM, UL, NEMA and ANSI / ISA guidelines



SLT

Electro-Mechanical Continuous Measurement System

- Plumb bob device
- Appropriate for nearly all kinds of bulk solids
- Insensitive to changes in product density, dust in the silo, changes in moisture of the material and products that are inclined to stick
- Very simple installation and set-up
- Very accurate measurement
- Internal tape cleaner (tape version)
- Variety of sensor weights
- Robust die cast housing
- Two versions: rope and tape



MT5200

State-of-the-Art Loop Powered, 4-20mA Output GWR Level Transmitter for Bulk Solids

- Unaffected by dust
- No moving parts
- Unaffected by feed flow
- Can measure levels with dielectric constants as low as 1.3

CHUTE MASTER

Non-contact Microwave Switch

- Blocked chute detection
- Point level detector
- Not affected by dust or particle build up
- 33 ft. (10 m) range
- 110/220Vac or 24Vdc supply
- Configurable relay output with on/off delay
- Adjustable gain setting
- Optional flanged mounting bracket



Guided Wave Radar Transmitter

MT5200 flexible cable, allows for bulk solids measuring ▼

DPM100

Digital Process Monitor

- 5 digit digital display
- Displays process variable in engineering units
- 2-alarm setpoints with programmable hysteresis

- Accepts 0-5V, 0-10V, 1-5V, 4-20mA or 0-20mA analog signal input
- NEMA 4X/IP65 front panel standard
- NEMA 4X and explosion proof enclosure option
- Available with several input power options
- +24V output available for loop power
- Optional RS422 or RS323 serial communication

K-TEK

Providing Level Solutions: Anytime, Anywhere.

Global Manufacturing Facilities

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 **K-TEK Level Eng. Pvt. Ltd.**
Mumbai, India
+91 022 4156 6100

 **K-TEK (Tianjin) Level Co., Ltd.**
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+86 22 5981306

 **K-TEK BV**
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K-TEK



THE GLOBAL LEADER IN LEVEL DETECTION



K-TEK Instruments (Pty) Ltd.



K-TEK Level Eng. Pvt. Ltd.



K-TEK (Tianjin) Level Co., Ltd.



K-TEK BV



K-TEK Solids Level



K-TEK Corp.

Is a leading global manufacturer

of state-of-the-art instrumentation for bulk solids and liquids level detection. The company has over 350,000 installations worldwide in such applications as: pulp and paper processing, mining and construction, food and beverage manufacturing, oil and gas production and chemical processing. K-TEK operates offices, service locations, and R&D 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 technological innovation. With its consistent commitment to R&D, it boasts one of the largest investment per revenue ratio 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 oriented 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. The company continues to solidify its position as the world leader in level detection by introducing Ultrasonic Level Measurement devices incorporating GAP technology.

K-TEK

INDUSTRIES SERVED

PULP & PAPER
PROCESSING

MINING

FOOD & BEVERAGE

PLASTICS

ROCK, SAND & GRAVEL
(Aggregates)

CHEMICAL
PROCESSING

Paddle Switch

KP™

Vibrating Paddle Switch

- Drop-in replacement for existing rotary paddle switches
- Variety of paddles for differing densities
- Mounting for side or top of silo / bin
- 120 or 240 operating voltage
- Non-contact, double shielded bearings
- Shaft lip seal rated to 140 psi / 9.7 bar
- O-ring gland seal on shaft to keep out moisture
- Optional shaft extensions and guards to 20 ft. (6 m)
- Two 20 amp, SPDT switch
- Optional explosion-proof housing and indicator light



GP50™

Vibrating Level Switch for
Powders in Granular Solids

- Accepts universal input voltage
- Modular and simple design
- Maintenance free
- No calibration required
- Self cleaning
- Robust fork design with patented piezo crystal sensing element
- Options for mounting plate / flange
- Extensions up to 156 inches (3962 mm)
- Acceptable for most powders and granulated materials down to 1.3 PCF

Vibrating Level Switches

SP60™

Vibrating Level Switch Interface
Measurement for Solids in Liquids

- Detects solids in water / liquids
- Accepts universal input voltage
- Modular and simple design
- No calibration required
- Robust fork design with patented piezo crystal sensing element
- Options for mounting plate / flange
- Extensions up to 156 inches (3962 mm)
- Optional general purpose indicator light available



A7S™

Compact All Star II
RF Level Switch

- Totally potted electronics
- Vibration resistant
- DPDT relay
- Ambient temperatures up to 450°F (232°C)
- NEMA 4 enclosure
- 5, 10 or 15 second time delay



A77™

Robust All Star II
RF Level Switch

- Built-in static protection
- DPDT relay
- Rugged probe designs
- Ambient temperatures up to 450°F (232°C)
- Explosion-proof enclosure
- 5, 10 or 15 second time delay



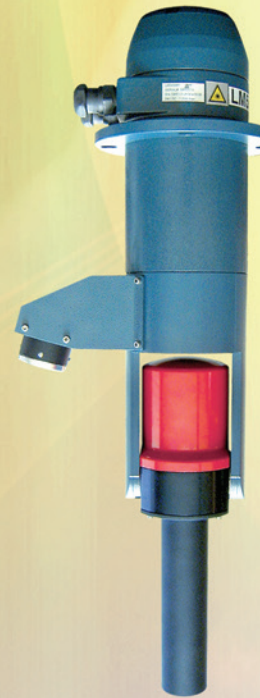
A02™

Multi Purpose & High Sensitivity
RF Level Switch

- Remote mounting up to 50 ft / 15 m
- Built-in static protection
- DPDT relay
- Ambient temperatures up to 450°F / 232°C
- Explosion-proof enclosure
- 0 to 30 second time delay
- Temperature compensation
- Switching capacitance of 0.2 picofarads



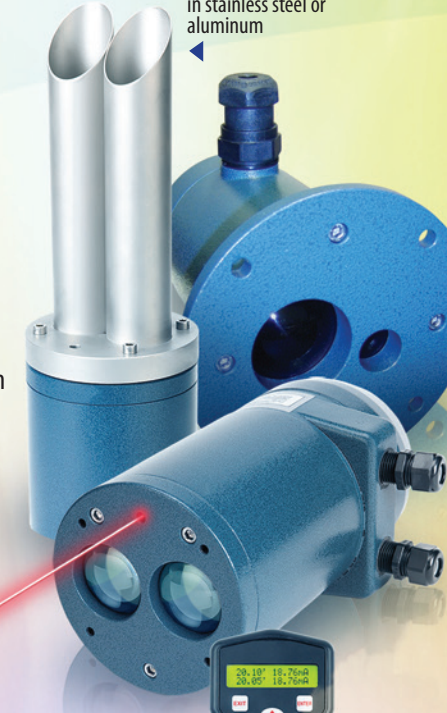
Laser Level Detection for Dry Bulk and Solids



LM2D™

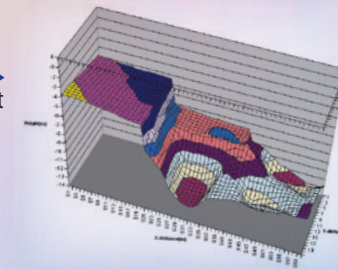
LaserMeter™ 2D Laser Scanner:
Non-Contact Volumetric Measurement
of Belt Conveyed Materials

- Non-contact belt scale
- Simple installation during conveyor operation
- Non-contact conveyor volume and speed measurement
- Totalizer for real time throughput calculation
- No routine maintenance or calibration
- Integral non-contact belt speed sensor
- Laser pointer for alignment
- Integral dust tubes



Dust tubes are available
in stainless steel or
aluminum

Sampling of graphic output
from LaserMeter™ 3D



LM3D™

LaserMeter™ 3D Laser Scanner:
Non-Contact Volumetric
Measurement in Silos & Stock Piles

- 3D Laser surface profiling
- Integral laser pointer for alignment
- Diagonal measuring range: 5 ft (1.5m) to 115 ft (35m)
- Volume & level measurement of any complex shape
- Inventory measured in less than 5 min
- No routine maintenance
- Quick and easy installation



The SureShot™ 140XP
comes with an on-board
graphic display



SURESHOT™

Laser Level Transmitter:
Measures Level and Distance in
Challenging Environments

- Long Range to 240 ft / 75 m
- No beam divergence = no false echoes
- Measures any surface at any angle
- Explosion-proof dual compartment enclosure
- Built-in laser pointer
- Easy set-up: push buttons or HART protocol
- Local LCD display indication



LM80™

Laser Level Transmitter:
Measures level, distance and position
over extreme environments

- Long Range to 500 ft. / 150 m (positioning applications) and up to 100 ft. / 30 m (level applications)
- No beam divergence = no false echoes
- Measures any surface at any angle with narrow beam
- Ideal for plastic pellets, grain silos, food processing industry, crushers & rock silos, indoor/outdoor positioning applications-overhead crane, tripper cars
- Built-in purge port (1/8" FNPT)
- Last pulse detection for measurement with light dust

LM200™

Laser Level Transmitter:
Distance measuring instrument used
in process control systems

- Range up to 200 ft. / 60 m (level applications) and up to 1312 ft. / 400 m (positioning applications)
- No beam divergence = no false echoes
- Measures any surface at any angle
- Rugged and robust enclosure
- Last pulse detection for measurement with light and moderate dust
- Accepts 110/220 VAC and +24VDC input voltages
- Built-in laser pointer

Ultrasonic Transmitters, Switches & Accessories

KSONIK™

Model | **KSONIK I**

- Range to 50 ft. / 15 m
- Graphic LCD display
- Integrated KSCOPE software
- Automatic variable GAP for difficult applications
- Open channel flow
- Trend recorder



KSONIK™

Model | **KSONIK III**

- Long range up to 195 ft. / 60 m
- Graphic LCD display
- Single or dual channel configuration
- Integrated KSCOPE software
- Automatic variable GAP for difficult applications
- Trend recorder

KSONIK™

Ultrasonic Transmitter
Transducer
Model | **K10F**

- Solids Applications
- Range to 50 ft/15 m
- Temperature Range -4 to 176°F (-20 to 80°C)



KSONIK™

Ultrasonic Transmitter
Transducer
Model | **K20H**

- Medium Range with Dust
- Range to 100ft./30 m
- Temperature Range -4 to 176°F - (20 to 80°C)



A10™

Ultrasonic Flow Switch for
Dry Materials

- Sensing without vessel penetration
- Built-in time delay for positive sensing
- Explosion-proof enclosure
- Adjustable to reject background noise
- Operates at 40KHz, which ignores audible noise and plant interferences
- SPDT relay

TILT MASTER

- Tilt master can be connected to motor control circuit
- Output of 8 amp relay 220Vac
- Delay and a hold circuit to stop false errors
- Delay time: 100ms to 30Sec

TILT SWITCH

- Robust tilt switch in a 1 in (25.5 mm) O.D. chromed mild steel tube
- Hermetically sealed to prevent moisture from entering the instrument
- Switches at 25° from vertical in any direction
- Provides simple high alarm for solid level control
- Can be connected to a PLC, or connected to the Tilt Master



K-TEK