

Non-Contact Ultrasonic Level Measurement

Level by Sound Knowledge

MAJOR ULTRASONIC APPLICATION FEATURES

- Automatic variable GAP (Gain Amplitude Power) for difficult applications
- Graphic LCD display
- Range to 200 ft. / 60 m
- Isolated 4 - 20 mA output
- Integrated KSCOPE software
- Trend recorder
- 5 configurable relays / 8 amp
- Pump cycling & pump monitoring
- Open channel flow
- Differential level measurement

GAP | GAIN, AMPLITUDE and POWER

K-TEK's new line of Ultrasonic Level Transmitters/Switches features variable GAP technology for stable readings in the most challenging environments

The KSONIK is the only ultrasonic level transmitter that uses dynamic GAP technology in order to locate the correct echo. The KSONIK utilizes the minimum amount of GAP (Gain, Amplitude and Power) at every possible distance within the measurement range. This simply means that we reduce the power to give you the most accurate reading with a beam angle of only 3 degrees, and then enough power to push through the most dusty environments.

K-TEK

KSONIK™
KAB Series



	KSONIK Micro Compact	KSONIK Micro LP	KSONIK Micro	KSONIK™ I	KSONIK™ III
Measuring Range	Liquids: 13ft. / 4m.	Liquids: 10ft. / 3m.	Liquids: 32 ft. / 10m. Solids: 10 ft. / 3m.	50 ft. / 15m.	195 ft. / 60m.
Power Supply	20 to 30 VDC Loop Powered	20 to 30 VDC Loop Powered	24 VDC (20 to 30 VDC)	24 VDC 110 VAC or 240 VAC; ±15% 50/60 Hz, 5VA	110 VAC or 240 VAC; ±15% 50/60 Hz, 10 VA
Output	Transmitter: 4-20 mA DC (max impedance 750 ohms) 16 bit resolution. 1 relay: 5 amp 240 VAC 3 relay: 5 amp 240 VAC 5 relay: 5 amp 240 VAC				
Accuracy	± 0.25% full span	± 1% full span	0.25%	0.25% full span with temperature compensation	
Indication	Green & red LED	4 digit LCD	128 x 64 dot graphic display		
Configuration	2 touch button keys or optional KSCOPE compact	5 touch button keys		5 touch button keys or optional KSCOPE software	
Temperature range	-22 to 149°F / -30 to 65°C temperature compensated				
Blanking distance	1 ft. / 0.3m.			Refer to ultrasonic transducer & accessories brochure ACS-0003-1	

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K-TEK

K-TEK

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.



Ultrasonic Level Measurement with GAP Technology

INDUSTRIES SERVED

- CHEMICAL
- MINING
- AGGREGATE
- POWER GENERATION
- PULP & PAPER
- IRON & STEEL
- WASTE WATER
- FOOD & BEVERAGE
- QUARRIES



KSONIK™
KSONIK™ MICRO Compact Ultrasonic Level Transmitter and Switch

- Up to 13 ft. / 4 m measuring range
- Low cost, compact level transmitter with integral transducer
- Temperature compensation
- PVDF wetted parts for corrosive applications



KSONIK™
KSONIK™ MICRO Loop Powered Ultrasonic Level Transmitter

- Up to 16 ft. / 5 m measuring range
- Low cost, compact level transmitter with integral transducer
- Four digit alpha-numeric display
- PVDF wetted parts for corrosive applications



KSONIK™
KSONIK™ MICRO Ultrasonic Level Transmitter and Switch

- Up to 32 ft. / 10 m measuring range
- Low cost, compact level transmitter with integral transducer
- 128 x 64 dot matrix display
- Open channel flow measurement
- PVDF wetted parts for corrosive applications
- Continuous level transmitters and level switch
- Trend recorder

Ultrasonic Level Measurement with GAP Technology



KSONIK™
KSONIK™ I Short Range Ultrasonic Level Transmitter

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



KSONIK™
KSONIK™ III Long Range Ultrasonic Level Transmitter

- 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



Ultrasonic Transducer Series