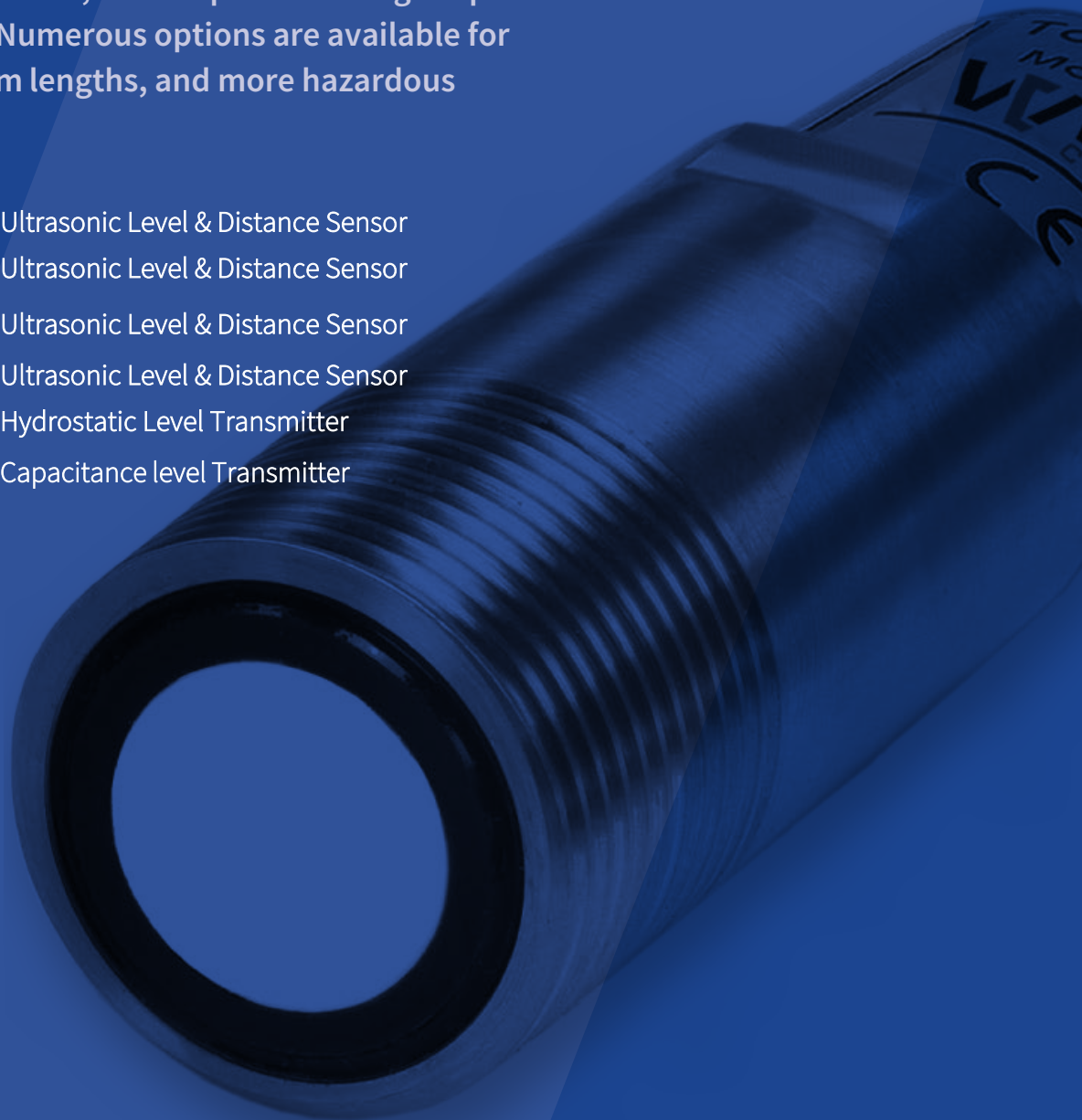


LEVEL TRANSMITTERS

Our full line of level transmitters provide level and distance measurement up to 30 feet, and for pressure ranges up to 200 meters of water. Numerous options are available for output signals, custom lengths, and more hazardous environments.

ToughSonic 14	Ultrasonic Level & Distance Sensor
ToughSonic 30	Ultrasonic Level & Distance Sensor
ToughSonic Chem 10	Ultrasonic Level & Distance Sensor
ToughSonic Chem 30	Ultrasonic Level & Distance Sensor
L95 Series	Hydrostatic Level Transmitter
L96 Series	Capacitance level Transmitter



TOUGHSONIC[®] 14

ULTRASONIC LEVEL & DISTANCE SENSOR



DESCRIPTION

The Toughsonic 14' Ultrasonic Sensors measure level and distance through the air using ultrasonic sound waves. They provide fast, reliable non-contact measurements at distances up to 14 feet, with an optimum range of 4 inches to 10 feet. These sensors come standard with 316 stainless steel housings, ruggedized piezoelectric ultrasonic transducers, epoxy potting, rear status indicators, and a permanently attached 2 meter cable. They are rugged and IP68 immersion-rated for use indoors and out. Both 1" NPT and 30mm threaded mountings are available.

FEATURES

- Optimal Measuring Range: 4 inches - 10 feet
- 316 Stainless Steel housing
- Voltage & 4-20mA outputs
- Operating Temperature: -40 to +158°F (-40 to +70°C)
- RS-232 & RS-485 Communication protocols
- Ability to Sync with up to 32 sensors

TOUGHSONIC[®] 30

ULTRASONIC LEVEL & DISTANCE SENSOR



DESCRIPTION

The Toughsonic 30' Ultrasonic Sensors measure level and distance through the air using ultrasonic sound waves. They provide fast, reliable non-contact measurements at distances up to 30 feet, with an optimum range of 10" to 20 feet. These sensors come standard with 316 stainless steel housings, ruggedized piezoelectric ultrasonic transducers, epoxy potting, rear status indicators, and a permanently attached 2 meter cable. They are rugged and IP68 immersion-rated for use indoors and out.

APPLICATIONS

- Optimal Measuring Range: 10 inches - 20 feet
- 316 Stainless Steel housing
- Voltage & 4-20mA outputs
- Operating Temperature: -40 to +158°F (-40 to +70°C)
- RS-232 & RS-485 Communication protocols
- Ability to Sync with up to 32 sensors

TOUGHSONIC[®] CHEM 10

ULTRASONIC LEVEL & DISTANCE SENSOR



DESCRIPTION

The Toughsonic Chem Ultrasonic Sensors are the more rugged version of the Toughsonic General purpose line, suitable for use in diesel fuels and chemical level applications in closed or open tanks. These durable, compact ultrasonic level sensors measure a wide variety of liquids from diesel fuel in rail locomotives to chemical tanks in the paper and food processing industries. The Toughsonic Chem 10 sensor provides non-contact measurements at distances up to 10 feet (3m), with an optimum range of 4 to 80 inches (100mm to 2m). Heavy duty electronics are epoxy potted into a polyvinylidene fluoridate (PVDF) housing that physically isolates the transducer and electronics from chemicals and can withstand exposure to both acids and bases.

APPLICATIONS

- PVDF Housing for more rugged environments
- Can withstand exposure to variety of fuels, acids and bases
- Optimal Measuring Range: 8 inches - 156 inches (200mm to 4m)
- Voltage & 4-20mA outputs
- Operating Temperature: -40 to +158°F (-40 to +70°C)
- RS-232 & RS-485 Communication protocols

TOUGHSONIC[®] CHEM 20

ULTRASONIC LEVEL & DISTANCE SENSOR



DESCRIPTION

The Toughsonic Chem Ultrasonic Sensors are the more rugged version of the Toughsonic General purpose line, suitable for use in diesel fuels and chemical level applications in closed or open tanks. These durable, compact ultrasonic level sensors measure a wide variety of liquids from diesel fuel in rail locomotives to chemical tanks in the paper and food processing industries. The Toughsonic Chem 20 sensor provides non-contact measurements at distances up to 20 feet (6.1m), with an optimum range of 8 to 156 inches (200mm to 4m). Heavy duty electronics are epoxy potted into a polyvinylidene fluoride (PVDF) housing that physically isolates the transducer and electronics from chemicals and can withstand exposure to both acids and bases.

APPLICATIONS

- PVDF Housing for more rugged environments
- Can withstand exposure to variety of fuels, acids and bases
- Optimal Measuring Range: 8 inches - 156 inches (200mm to 4m)
- Voltage & 4-20mA outputs
- Operating Temperature: -40 to +158°F (-40 to +70°C)
- RS-232 & RS-485 Communication protocols

L95 SERIES HYDROSTATIC LEVEL TRANSMITTER



DESCRIPTION

The L95 Series Level Transmitters make use of high-performance silicon piezoresistive pressure sensors as the lead sensing element. The transmitter measures the vertical depth of a column of liquid and converts this depth into standard amplified analog signals.

The L95 Series are IP68-rated devices, featuring a fully-sealed structure and made from 304 stainless steel. The cable used in these transmitters is anti-oil, waterproof, and electromagnetic effect-shielded.

This device has a fully integrated structure with sensing element and signal conditioning circuit located and sealed in the probe housing. In application, the transmitter is submerged in the measured liquid with no external adjustment or calibration needed.

APPLICATIONS

- Level measurement
- Hydraulic monitoring in rivers and sea
- Muddy liquid level measurement
- Water treatment
- Water diversion projects

FEATURES

- High Performance silicon piezoresistive sensor
- Durable with 304 Stainless Steel construction
- Pressure ranges up to 200m h20
- IP68 Rated



L96 SERIES

CAPACITANCE LEVEL TRANSMITTER



DESCRIPTION

The L96 Capacitance Level Transmitter is a highly customizable device for measuring liquid level in various tanks and other enclosures. The probe can be custom designed to meet the unique needs of the end-user and application, and the device can be calibrated to provide continuous level data in the environment. The L96 has both a configurable analog output as well as a relay output for users looking for a transmitter that can also provide switching function. This device has an optional OLED display for applications where visual calibration and monitoring is necessary.

KEY FEATURES

- Configurable output selection and configurable latching relay for switching function
- 0-5V, 1-5V, 0-10V and 4-20mA Analog outputs available, and SPST latching relay 16A 250VAC / 24VDC
- Operating temperature up to 392°F (200°C), operating pressure up to 300psi
- Fully customizable probe length and internal electronics
- Durable stainless steel construction for more hazardous environments
- Optional OLED display for continuous monitoring of level, output, and switch status
- Modbus RTU protocol for data transmitting / receiving

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