



# Electronic Sensors, Inc.

## Model 9025A Ultrasonic Transmitter

### DESCRIPTION

The 9025A sensor is a state-of-the-art liquid level measurement instrument. Based on the latest technology, the 9025A provides an efficient, reliable and cost effective means of level reporting and control. The 9025A features built-in temperature compensation and digital output displayable on most *Level Devil*® controllers.

### OPERATION

An ultrasonic pulse is generated by the sensor and is sent in the direction of the product. The pulse reflects off the liquid and returns to the sensor in the form of an echo. A digital signal containing the length of travel and current temperature is sent to the controlling unit. The controller uses this information along with tank dimensions to display the level in the desired units.

### SPECIFICATIONS

#### Measurement Range

0.8 to 35 ft. (-CP & -CP-KN35)  
0.8 to 20 ft. (-CP-KN)

#### Accuracy

±0.25 inch or 0.1% of distance, whichever is greater

#### Operating Temperature

-20°F to 140°F

#### Temperature Compensation

Automatic over sensor operating range

#### Input Power

Supplied by *Level Devil*® controller

#### Output Signal

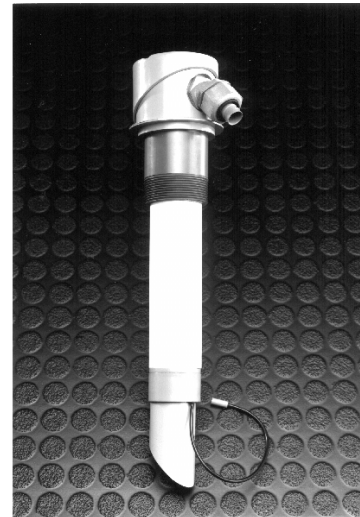
Digital

#### Enclosure

Designed to NEMA 4X standards

#### Mounting

Type: Screws into 2 inch NPT female opening  
Location: Top of tank, perpendicular to product



#### Options

- CP Electrostatic transducer
- CP-KN Electrostatic transducer with 2 ply chemical resistive coating
- CP-KN35 Electrostatic transducer with 1 ply chemical resistive coating

**SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE**

**Electronic Sensors, Inc.**

2063 S Edwards St  
Wichita, KS 67213

Rev 10/09

Phone: 316-267-2807  
Toll Free: 800-886-2511  
Fax: 316-267-2819  
Email: [leveldevil@leveldevil.com](mailto:leveldevil@leveldevil.com)  
Home Page: [www.leveldevil.com](http://www.leveldevil.com)

**Level Devil**®  
Bulk Inventory Management Systems

## 9025A Ultrasonic Transmitter

### HOW TO ORDER

#### Available Model Numbers

9025A-CP  
9025A-CP-KN  
9025A-CP-KN35

#### Options

- CP  $\mp$  Continuous power (Standard)  
Range: 0.8-35 feet (If neither -KN nor -KN35 are used)
- KN  $\mp$  Electrostatic transducer with 2 ply chemical resistive coating  
Range: 0.8-20 feet
- KN35  $\mp$  Electrostatic transducer with 1 ply chemical resistive coating  
Range: 0.8-35 feet

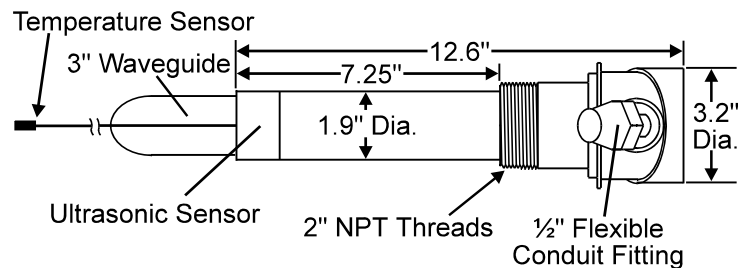
### COMPATIBILITY

The 9025A line of ultrasonic sensors can be used with the following controllers available from Electronic Sensors, Inc.:

9023 Tank Teller  
9023A Tank Teller II  $\mp$  Requires a 9023A-101 module  
9032 Reporter  
9032A Reporter II  $\mp$  Requires a 9023A-101 module  
9035 Tank Monitor  
9035A, C, E, G Tank Monitor II

### DIMENSIONS

All dimensions are in inches.



Your Area Representative:

**Electronic Sensors, Inc.**  
2063 S Edwards St • Wichita, KS 67213  
Phone: 316-267-2807 • Fax: 316-267-2819  
Toll Free: 800-886-2511  
Email: [leveldevil@leveldevil.com](mailto:leveldevil@leveldevil.com)  
Home Page: [www.leveldevil.com](http://www.leveldevil.com)

