

Instrumentation designed
with the user in mind.

ULTRASONIC LEVEL TRANSMITTERS for POWDERS and BULK SOLIDS

- ◆ Carbon Black
- ◆ Cement - Lime - Sand
- ◆ Coal - Coal Powder
- ◆ Flour - Sugar
- ◆ Fly Ash
- ◆ Grain Silos
- ◆ Plastic Pellets - Powders

ADVANTAGES

- Simple push-button programming
- 4 to 20ma PLUS programmable relay outputs
- 32-point linearization
- 2 x Fixed target suppression
- Built-in temperature sensor provides:
 - full range compensation
 - process temperature indication
- Several operating modes:

Basic: Simple start up and 4/20 mA programming using a supplied magnet

Sophisticated: Using the plug-in programming module which includes a 5 digit custom LCD display, the operator can choose between a menu driven QUICKSET, full parameter programming or a simple calibration of the analog output.

Digital: For remote information transfer and programming: HART is an available option.

Narrow Beam Technology



SmartSonic™ is Princo's new line of **SMART** level transmitters incorporating the unique narrow beam technology, combined with HART communication protocol.

SmartSonic™ compact transmitters include field proven innovative advanced, process adaptive signal processing software to identify and validate the surface signal.

Princo's SmartSonic™ utilizing innovative patented technology, is the best ultrasonic level measurement system on the market today.

10 Year Warranty

Series L4660 Specifications

STD-310

STD-330

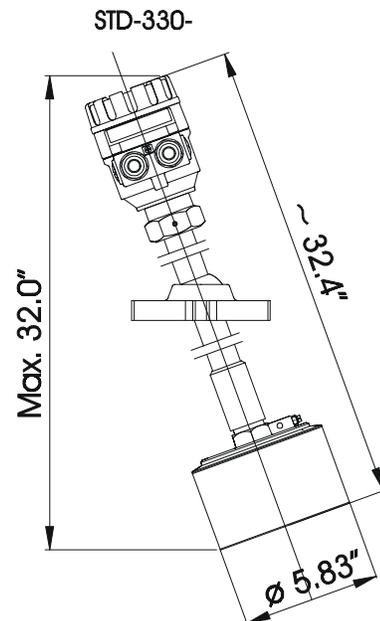
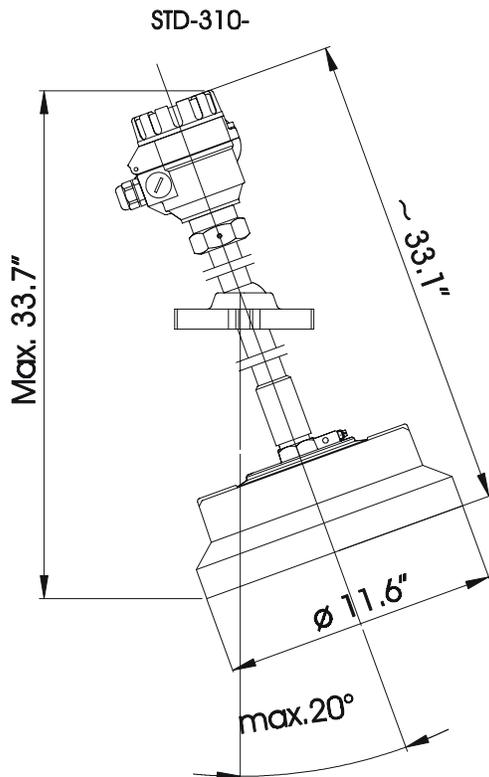
Application	Medium to Tall Silos containing Powders or Granular materials	Medium sized Silos containing Powders or Granular materials
Measurement Range	Up to 170 feet	Up to 85 feet
Frequency	15 KHz	30 KHz
Total beam angle @ -3dB	5°	5°
Process Temperature	- 22 °F to + 167 °F	- 22 °F to + 167 °F
Mounting	Aimer with various flanges available	Aimer with various flanges available
Enclosure Sensor: Housing:	NEMA 4X & 6 NEMA 4	NEMA 4X & 6 NEMA 4
Sensor Materials	Paint coated Aluminum with Unique foam face	Paint coated Aluminum with Unique foam face
Housing Materials	Plastic or Powder coat die-cast Aluminum	Plastic or Powder coat die-cast Aluminum
Supply Voltage (3/4-wire versions)	80 to 255 V AC 50/60 Hz or 10.5 to 40 V DC and 10.5 to 28 V AC	80 to 255 V AC 50/60 Hz or 10.5 to 40 V DC and 10.5 to 28 V AC
Outputs	Analog 4 to 20 mA isolated Relay SPDT 250 V AC @ 3 A Digital HART® protocol (optional)	Analog 4 to 20 mA isolated Relay SPDT 250 V AC @ 3 A Digital HART® protocol (optional)

PROGRAMMING MODULE

Local Display	Custom LCD 6 digits plus icons and bar graph
Ambient temperature	-13-140°F
Housing material	PBT glass-glass reinforced plastic

10-YEAR WARRANTY

All PRINCO level control instruments are backed by a 10-year warranty. PRINCO will repair or replace, at our option, any instrument that fails under normal use for up to 10 years after purchase.



PRINCO

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