

*Instrumentation designed
with the user in mind.*

ULTRASONIC LEVEL TRANSMITTERS

for
LIQUIDS

- ◆ Breweries
- ◆ Chemicals
- ◆ Food Processing
- ◆ Pharmaceuticals
- ◆ Power Plants
- ◆ Pulp & Paper
- ◆ Water & Wastewater

ADVANTAGES

- Two-Wire Loop Powered Operation
- Narrow Beam Angle ($\pm 2.5^\circ$ from center axis)
- Open channel flow characterization
- Vessel volume conversion
- 32-point linearization
- Full temperature compensation
- Fixed target suppression
- Simple push-button programming
- Operating modes:

Basic: Simple start up and 4/20 mA programming without Display Module option.

Sophisticated: Using the Display Module which includes a 6 digit custom LCD display, the operator can choose between a menu driven QUICKSET and full parameter programming.

Narrow Beam Technology



The **SmartSonic™ L4660-SE/SG-300** series are **TWO-WIRE** Loop-Powered **SMART** ultrasonic level transmitters that incorporate Princo's unique narrow beam technology.

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.

The only

10 Year Warranty

The longest in the industry!

Specifications

Two-Wire SmartSonic L4660

Transducer materials Polypropylene (PP), Kynar (PVDF) or Teflon (PTFE)	Power supply 11.4 ...36 VDC / 48 mW ...720 mW electrically isolated; transient & surge protected
Housing material (2 versions) Plastic: PBT fibreglass reinforced Aluminium: Powder paint coated	Accuracy * ± 0.2% of the measured distance plus 0.05% of the range
Process temperature -22 °F ... +194 °F	Resolution (Dependent upon measured distance) < 80 inches: 0.04 inches 80...198 inches: 0.08 inches 16.4... 26 feet: 0.2 inches
Ambient temperature -22 °F ...+140 °F with SAP-200 -13 °F ...+140 °F	Dead Band - 10" (20' range); 15" (26' range) Analog: 4 ...20 mA
Pressure (Absolute) 0.5** ... 3 bar (0.05 ... 0.3 MPa)	Loop power test connectors: ammeter plug-in, 200 mV, 0.5%
Seals PP transducer: EPDM PVDF transducer: FPM (Viton)	Display: 6 digits, icons and bargraph (SAP-200 display module only)
Enclosure: Sensor ~ NEMA 6; Housing ~ NEMA 4X	* Under optimal reflection conditions and stabilized transducer temperature. ** At pressures under 1 bar absolute, consult Princo.

ORDER CODE

SmartSonic L4660 S - 3 -

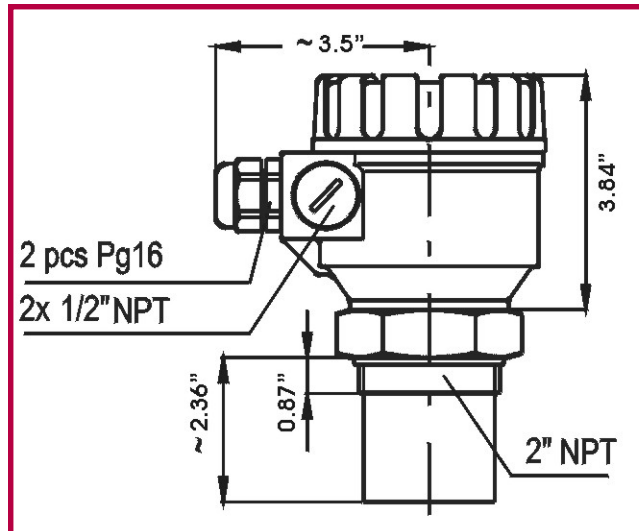
TYPE	CODE	TRANSDUCER / HOUSING	CODE	MEASURING RANGE *	CODE	MOUNTING	CODE	SUPPLY / OUTPUT	CODE
Transmitter	E	PP/Aluminium	A	26 feet	7	NPT thread	N	4 ... 20 mA / 12 ... 36 VDC	2
Transmitter with local indicator	G	PVDF/Aluminium	B	20 feet	8				
		PTFE/Aluminium	T						
		PP/Plastic	P						
		PVDF/Plastic	V						
		PTFE/Plastic	F						

* Measuring range depends on the material of the transducer

Note: not all combinations are possible

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 INSTRUMENTS, INC.
 1020 Industrial Highway
 Southampton, PA 18966-4095, U.S.A.
800-221-9237
 (215) 355-1500 ~ FAX (215) 355-7766

