

PTU Series Ultrasonic Level Transducers



- Level / Distance transducer up to 15 Metres
- 1" BSP fitting or DN100 Flanged PP Housing
- IP68 Enclosure
- 24v DC Power supply
- Suitable for use with granular solids, liquids & sludge

The PTU Series of ultrasonic level transducers have been designed for use in tanks, silos & channels & are suitable for use with granular solids, liquids & sludge.

The IP68 Polypropylene enclosure makes the PTU transducers suitable for use in aggressive chemicals or liquids & with granular solids.

By using the PTU series of transducers with the Swing control unit configuration & calibration is performed on the Swing controller.

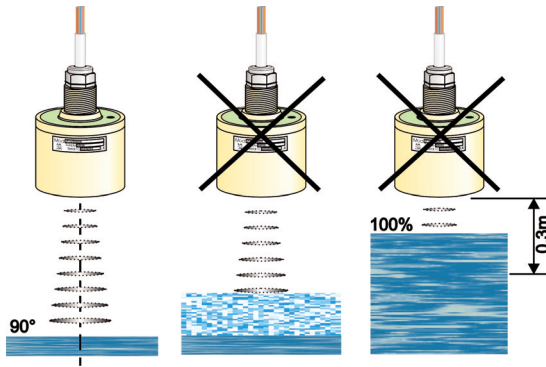
The PTU series of Ultrasonic level transducers are supplied complete with a 3 Metre connection cable & a red & yellow LED for indicating correct operation of the transducers.

By using a combination of PTU transducers & the Swing control unit it is possible to measure & control level, differential level, open channel flow measurement & control up to 5 pumps.



Specification

Enclosure material:	Polypropylene
Mechanical installation:	1" BSP or DN100 flange
Mechanical protection:	IP68
Electrical connection:	3 Metre integral cable
Working temperature:	-25 ° to + 75 °C
Pressure:	From 0.5 to 1.5 bar (absolute)
Power supply:	24vDC
Power consumption:	1 W
Maximum measuring range:	PTU05 – 5 Metres PTU10 – 8 Metres PTU15 – 12 Metres
Blocking distance:	0.3m to 0.7m depending on model
Temperature compensation:	PT100 from -20 to + 75 °C
Accuracy:	+/- 1% not better than +/-2mm
Resolution:	1mm
Calibration:	Via the Swing control unit
LED's display:	Yellow LED flashing for echo receiving / Red LED for supply



Note that the PTU transducers have a blocking distance of between 0.3 to 0.7 Metres depending on the model type. Where the transducers will not measure. Install the transducer perpendicular to the surface being measured. Do not use with foaming products.

Part No	Description
PTU05A0A	IP68 Level Transducer for use with the Swing unit, 1" BSP fitting, 4-20mA output, Range of measurement 0.3 – 5 Metres. 24v DC Power supply required. Supplied complete with integral 3 Metre connection cable.
PTU10A0A	IP68 Level Transducer for use with the Swing unit, 1" BSP fitting, 4-20mA output, Range of measurement 0.6 – 8 Metres. 24v DC Power supply required. Supplied complete with integral 3 Metre connection cable.
PTU15A0A	IP68 Level Transducer for use with the Swing unit, 1" BSP fitting, 4-20mA output, Range of measurement 0.7 – 12 Metres. 24v DC Power supply required. Supplied complete with integral 3 Metre connection cable. Supplied complete with integral 3 Metre connection cable.

* Other options available – please contact LTH sales department for full list of options available.



These products comply with current European Directives

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