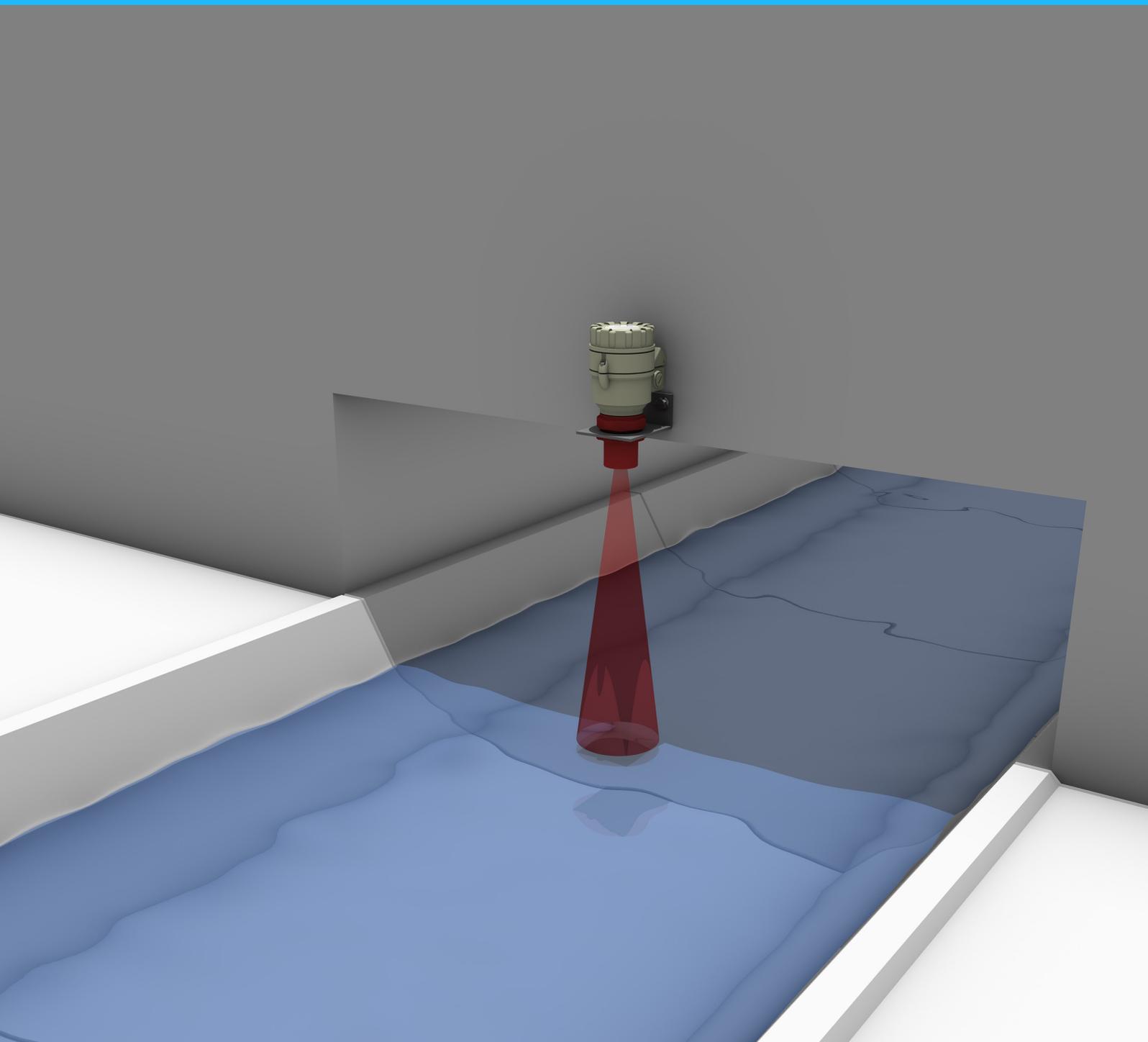


Ultrasonic Water Level Transmitter

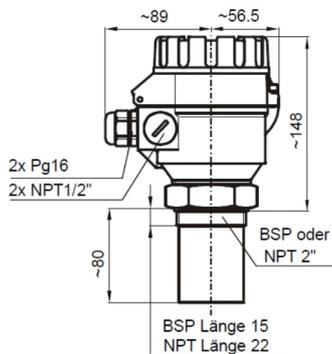
Water level



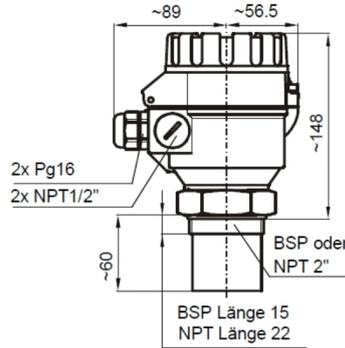
Technical Data

WLU

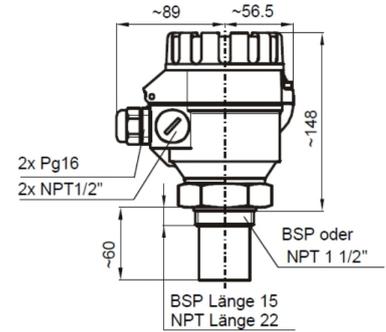
WLU3702



WLU3802



WLU3902



Ultrasonic Depth

Specifications	
Frequency	60 kHz for WLU3702 80 kHz for WLU3802 80 kHz for WLU3902
Range:	0,2 - 4 m for WLU3902 0,25 - 6 m for WLU3802 0,35 - 8 m for WLU3702
Accuracy	± 0,2% of measured value
Cable:	Ø 6-12 mm
Display:	1 line (optional)
Datalogger:	internal, 10.000 sets of data (option)
Power Supply:	24 VDC
Approval:	ATEX (Option)
Mounting:	1 1/2" BSP/NPT for WLU3902 2" BSP/NPT for WLU3802 2" BSP/NPT for WLU3702
Enclosure:	Flame retardand plastic or powder coated aluminum

The ultrasonic depth sensor operates by energizing a piezo-electric transducer with an electronic pulse. This pulse creates a pressure wave that travels to the flow surface where a portion returns to the transducer.

The transit-time to the flow surface and back is recorded and the distance calculated by knowing the speed of sound at the site which has been corrected by an embedded temperature sensor.

Our ultrasonic transmitters offer you the best in liquid level measurement in one compact single package.

Developed using the established range of Narrow beam angle pulse echo transducers, the units are available with measurement ranges up to 25 meters - with standard plastic, PTFE or stainless steel sensor faces. Installed on the tank roof, or above the liquid level surface to be measured, the transmitter gives an analogue output proportional to liquid level. Initial set-up is achieved using the simple plug-in display module: then an intelligent process adaptive signal processing software system ensures that the electronics identifies and validates the liquid surface signal, giving reliable level monitoring.

The ultrasonic depth sensor operates by energizing a piezo-electric transducer with an electronic pulse. This pulse creates a pressure wave that travels to the flow surface where a portion returns to the transducer. Our transmitter offers the best in liquid measurement. It is easy to install, eliminates maintenance caused by sensor fouling and your personnel do not get in contact with the fluid during installation.

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