Product Brief:

Level Measurement

INDUSTRY: LEVEL MEASUREMENT

APPLICATION: TRANSPARENT LIQUIDS

SUMMARY: Transparent liquids are usually measured visually, either by using a long rule or yardstick, a calibrated sight window, or even a tape measure. Although other types of probes and sensors are available, contact with the surface being measured is often undesirable, not to mention the inability of many types of sensors to measure into a blind hole, like in a tall, narrow silo or deep underground well. The Dimetix laser signal reflects directly back to the receiver, howev-

Overview

Challenge

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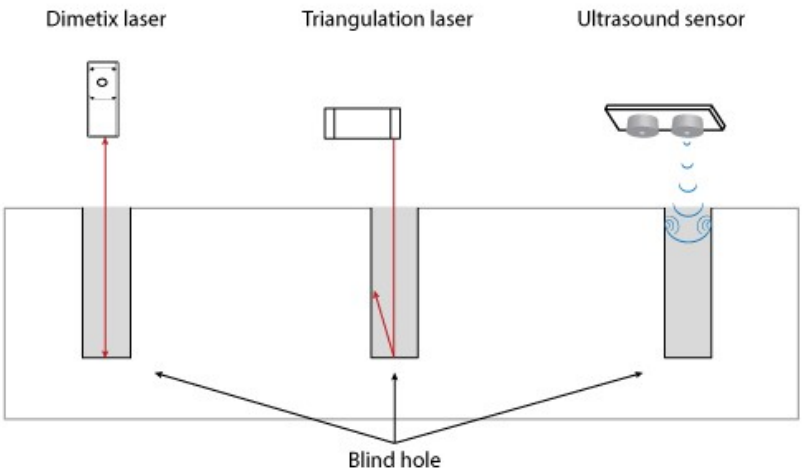

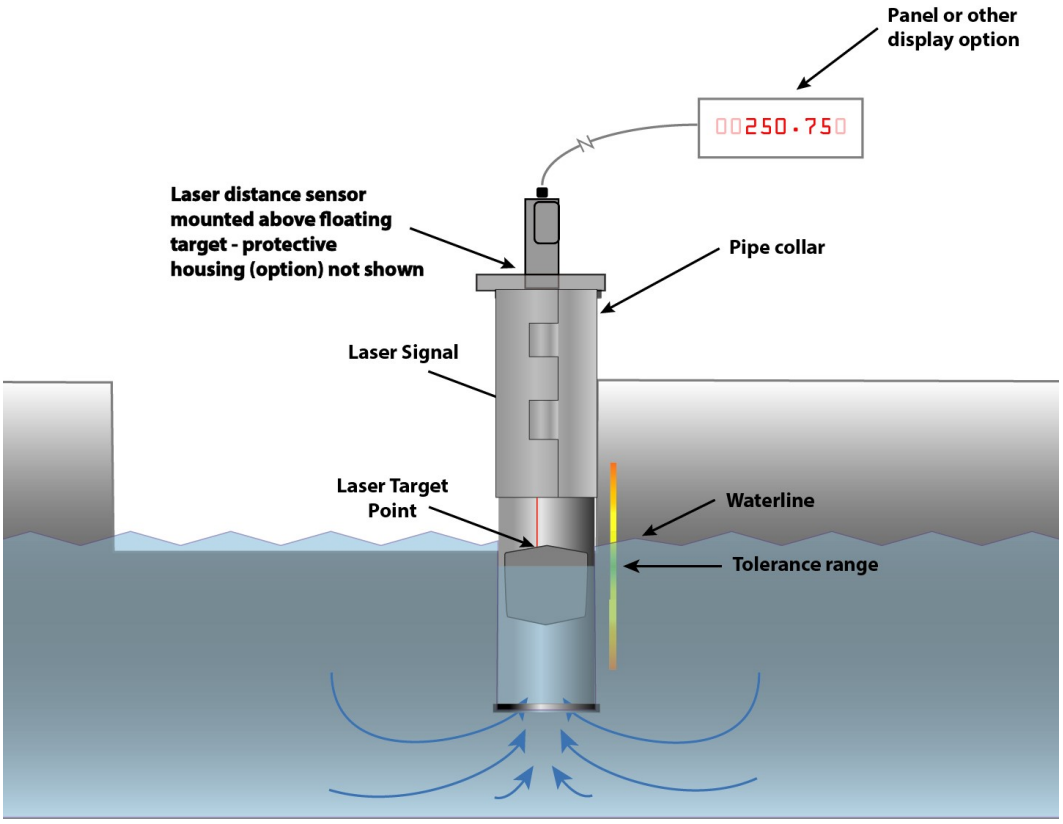

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measure into a blind hole, like in a tall, narrow silo or deep underground well.

Solution

Dimetix lasers come in a compact, IP65 rated package, measure long ranges with millimeter accuracy, and can do so in extreme environments, including blind holes. The Dimetix laser signal reflects directly back to the receiver, so the laser can measure as close as about 2 inches out to approximately 500 meters. With serial RS 232/422, analog, Ethernet, and Profibus capabilities, Dimetix lasers can communicate with PCs, PLCs, and other data acquisition devices, and are networkable.

KEY SOLUTION NOTES:

- Long-range (0.05-500 meters)
- Highly accurate (±1.0 mm)
- Non-contact measurement
- Natural surface targets
- Multiple communication outputs