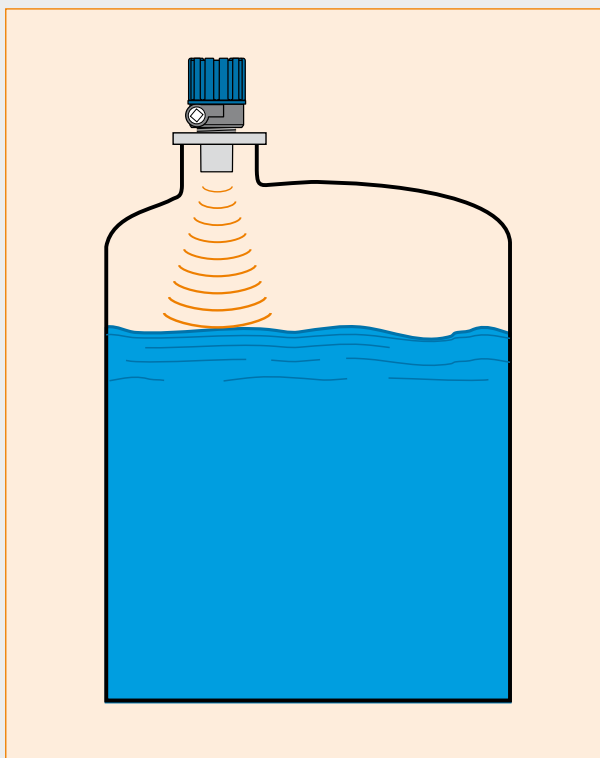


ULTRASONIC NON-CONTACT



The level measurement is accomplished by emitting an ultrasonic pulse from the transducer face and measuring the elapsed time between sending this pulse and its reflected echo from the liquid surface. Since the speed of sound is temperature dependant, the transducer also measures ambient temperature to compensate for the changing velocity.



ECHOTEL® 355

Ultrasonic non-contact transmitter for level, volume or open channel flow

**DESCRIPTION**

The Echotel® Model 355 is an integral mount, high performance ultrasonic non-contact transmitter for liquid level, volume and open channel flow measurement.

The electronics are housed in a single compartment cast aluminum or Lexan® housing. The intelligent electronics analyze the ultrasonic echo profile, apply temperature compensation, reject echoes from false targets, and then processes the true echo from the liquid surface. This results in an extremely reliable measurement even when application difficulties like turbulence and false echoes exist.

FEATURES

- Two-wire loop-powered intrinsically safe transmitter
- Fast and easy configuration via 2-line x 16 character display and 4-button keypad
- False target rejection identifies true echo from liquid surface.
- Common tank shapes and 20-point custom table for volume calculations
- Flume/weir primary elements and generic equation for open channel flow
- Process temperature from -40 to +80 °C (-40 to +175 °F)
- Process pressure max 3 bar (43.5 psi)
- Two 7-digit totalizers for flow:
 - resettable
 - continuous totalizer

APPLICATIONS

- Open channel flow flumes and weirs
- Paint, ink and solvent tanks
- Chemical storage
- Thick and viscous media
- Batch and day tanks
- Sumps

AGENCY APPROVALS

	Ex d	Ex ia	Ex n	Ex t	XP	IS	NI	Other
ATEX	•	•						
CCOE		•						
cFMus						•	•	
Inmetro	•	•						

Other approvals are available; consult factory for more details.