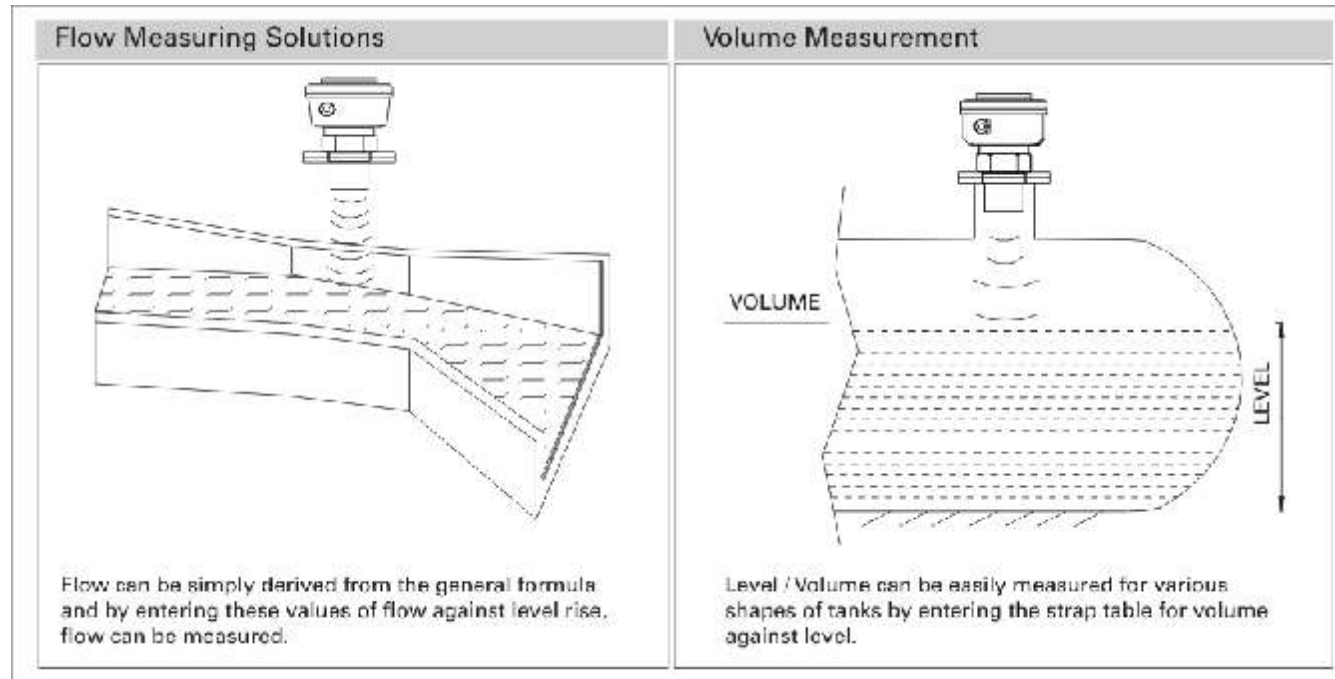
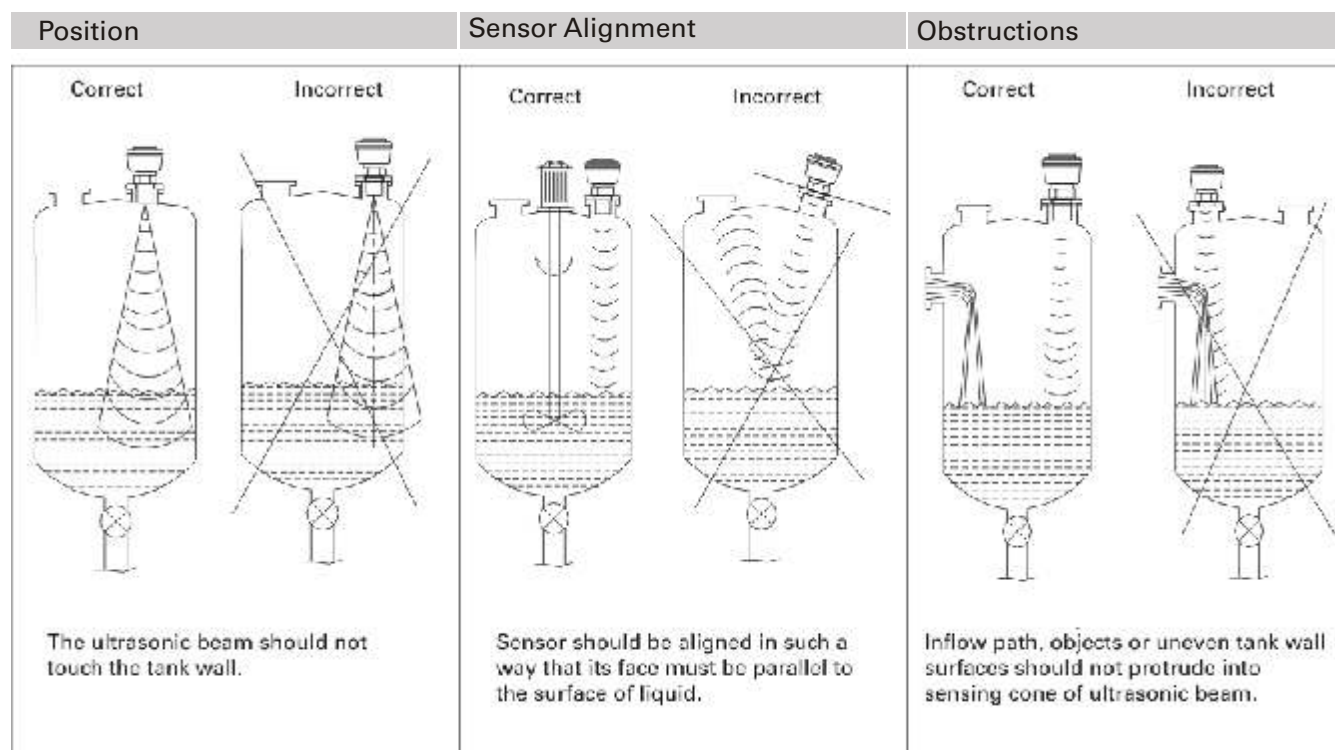


APPLICATIONS: LEVEL - FLOW - VOLUME



INSTALLATION



*** Continuous developments may necessitate changes without notice.

LF-136-0801 Rev.00 02/2007

SBEM

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SBEM

Level Measurement & Control Solutions

Ultrasonic Level Transmitter For Liquids

ULTRAMATE 136-ULT

PRINCIPLE OF OPERATION

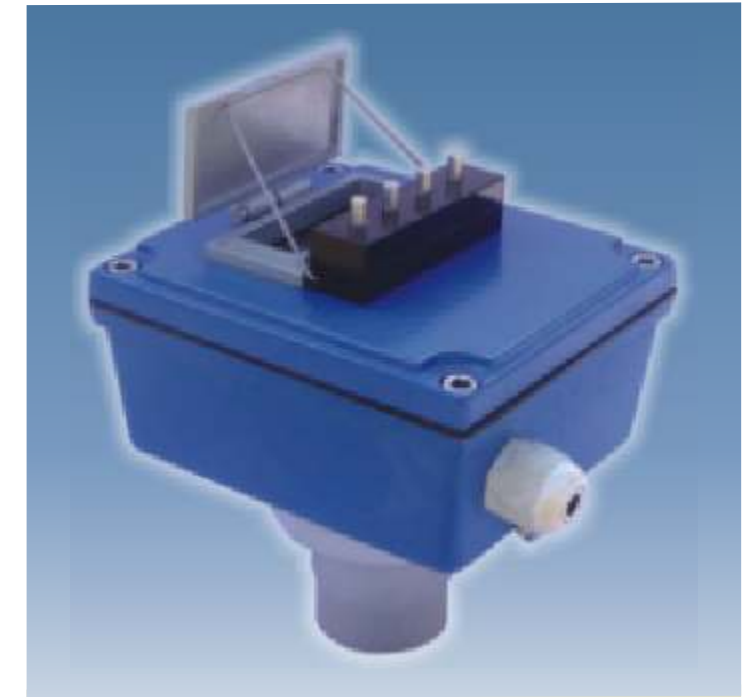
Ultrasonic level metering is based on the principle of measuring the time required for the ultrasonic pulse to travel from sensor to the surface of the liquid and then back. The ultrasonic sensor emits an ultrasonic pulse train and receives the echos reflected from the liquid surface. The received signal is processed by selecting the echo reflected by the liquid surface and calculating the time of flight, the distance to the liquid surface is measured.

APPLICATION

The Model 136 Ultrasonic Level Indicator Transmitter is specially designed to provide convenience of non-contact measurement of Level. Open channel Flow, Volume, percentage Volume can be derived from level through the software by simple strap entry. Percentage Level may also be displayed. Sophisticated design and rugged construction guarantees no maintenance. LCD Display visible in bright sunlight.

OPTIONS

- Optional Remote Indicator (96X96) suitable for panel mounting may be added with 2 set points for control purpose. (*24 VDC supply can be made available through Remote Indicator)
- 24-0.5VDC, 30mA, ripple < 100 mV Power supply to be arranged by purchaser, if Remote Indicator is not ordered.



FEATURES

- Both, Two Wire and Four Wire versions available.
- Micro-processor based Instrument.
- Level to Flow, Volume or % Volume conversion using a lineariser with upto 64 points.
- Rugged Construction - Weatherproof.
- Integral 4 Digit LCD Display.
- Self diagnostic functions i.e. error messages on display provided to ease setting up .
- All entries protected by password.
- Temperature Indication.
- Automatic Temperature Compensation.
- Unaffected by product properties.
- No site calibration required.
- Programming through removable keyboard.

