

ACOUSTIC LEVEL METER



Acoustic transducer
with a flat acoustic
wave AP-7T



Acoustic transducer
with a spherical
wave AP-70T

Specification

- operating range from 0,5 to 30m;
 - relative error of 0,1% (liquid) to 5% (bulk);
 - dead zone (0,2...0,7)m;
 - dust-water proof and explosion proof performances;
 - performance acoustic transducers with a temperature sensor and a reference channel;
 - operating temperature range $(-30 \dots +80)^{\circ}\text{C}$;
 - the output analog signal (0...5)mA, (0...20)mA, (4...20)mA;
 - devices seeders the upper and lower levels.
- Composition – acoustic transducer,
upgraded processor measuring transducer,
three-wire communication cable
length up 400m.

Areas of Application

Measurement level of liquids and bulk objects, level in two adjacent reservoirs and volumetric flow of liquids in gravity water line.

Stage of Development

Level gauge – IRL7, TRL6.
On request is possible to manufacture, supply, installation, warranty and training.
Flow meter – IRL3, TRL5.
Sensor test was carried out on a real conduit of potential user.

Advantages

- ability to install operating modes (range finder, level) and parameters of the reservoir with built-in keyboard;
- ability to work with a stirrer in the tank;
- self diagnosis performance;
- no linear growth absolute error in range.

IPR Protection

IPR1 (received but not supported by the strength guard documents).

Contacts

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