

"Edge Technology —
Giving You the Edge
Over Others."

Instrumentation | Flow meters, Level, Temp & Pressure Sensors

Medge Controls by Mega Switchgears

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MDL-500 Float Level Transmitter

Product Description

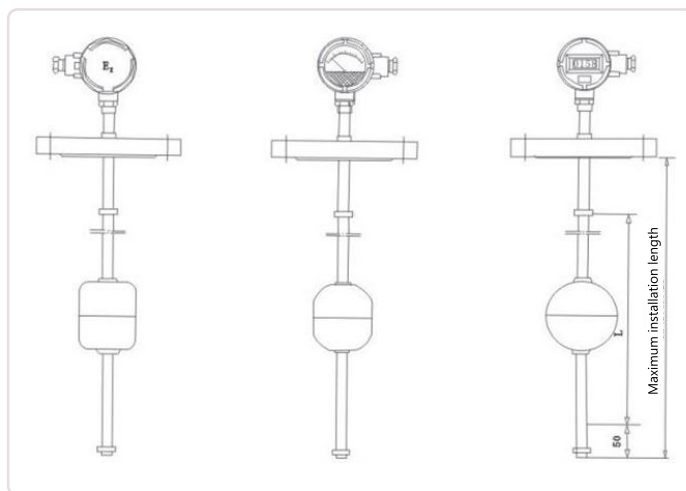
Float level gauge is a magnetic levitation ball used as a measuring element. Through magnetic coupling, the resistance inside the sensor changes linearly. The intelligent converter converts the resistance change into a 4-20mA standard current signal, which can display the percentage of liquid level, 4-20mA current, and liquid level value on site. Remote transmission to the control room can achieve automatic detection, control, and recording of liquid level.

This instrument is suitable for sewage treatment in industries such as petroleum, chemical, power, light industry, and medicine, as well as for measuring the liquid level of various atmospheric and pressure vessels, it is particularly ideal for measuring the liquid level of underground storage tanks.

Characteristics

Suitable for measuring the liquid level and interface of liquid media in containers; in addition to on-site instructions, it can also be equipped with remote transmitters, alarm switches, and complete detection functions: The indication is novel, the reading is intuitive, eye-catching, and the direction of the observation indicator can be changed according to the user's needs; Large measurement range, not limited by the height of the storage tank; The indicating mechanism is completely isolated from the tested medium, with good sealing performance, high reliability, and safe use, simple structure, easy installation, easy maintenance, corrosion resistance, no need for power supply, explosion-proof.

Instrument Shape and Structure



Main Parameters

Measurement range:	300-6000m
Accuracy:	$\pm 1.5\%$ ($H \geq 1000\text{mm}$) $\pm 2.5\%$ ($H < 1000\text{mm}$)
Transmitter power supply:	24VDC (UB) (24VDC power supply can be provided by our digital display meter)
Transmitter output:	4-20mA DC two-wire (UB)
Transmitter power consumption:	$\leq 720\text{mW}$

Features

Medium Temperature:	-100-80°C
Medium density:	-0.1 ~ 0.3 MPa
Working pressure:	<1.6MPa

Connection flange size: DN100 DN80 DN50

Explosion Proof Marking: Flameproof type: ExdIBT4c6
Intrinsically safe type: Exia CT406

Protection class: IP65

Other Features

1. Simple structure, easy installation, reliable operation, simple maintenance, and inexpensive.
2. Wide range of applications, suitable for level measurement of various media.
3. The instrument can output a 4-20mA two-wire current signal, and can also be selected for LCD display or pointer indication on-site, facilitating instrument debugging and on-site testing.
4. The sensor section of this level gauge uses a Japanese ALEPH reed switch, thus solving the problem of inaccurate level detection and abnormal magnetization that occurs in similar products after prolonged use.

