

- >> High Precision
- >> Reliability
- >> Safety, Aesthetics, High degree of protection
- >> Low failure rate
- >> Easy to install & maintain
- >> Non-contact measurement with ultrasonic technology operates independently of product characteristics



Ultrasonic Level Sensing

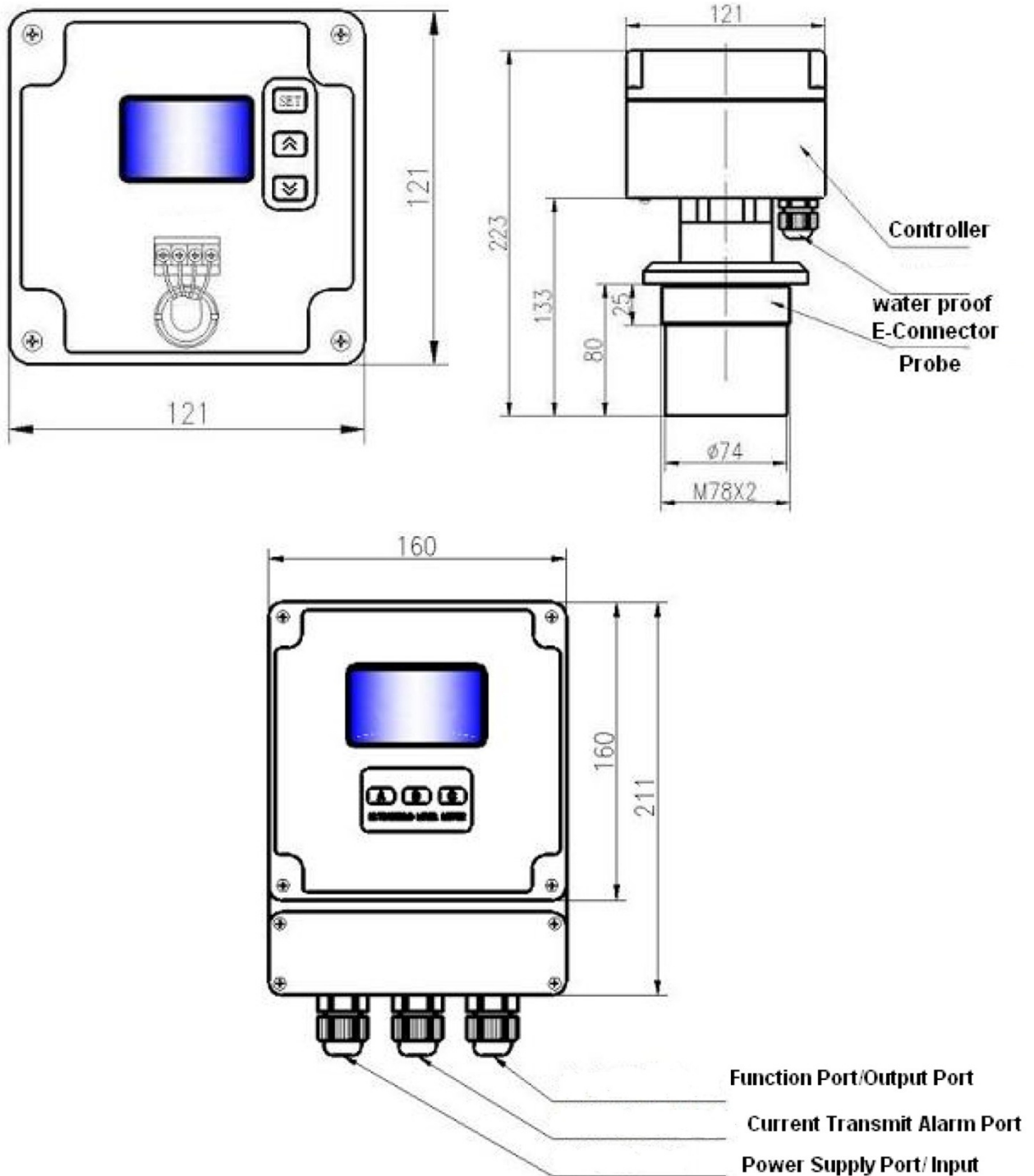
The Ultrasonic Level Transmitter offers noncontact measurement of level of liquids stored in tanks. As the instrument does not come in contact with the liquid, it is not affected by the chemical properties of the same such as corrosiveness and aggressiveness. In addition to level measurement, the instrument also offers distance, volume and open channel flow measurement.

The instrument works on the principle of transmission of ultrasonic waves in air. A pulse is transmitted from the sensor face into the tank. This pulse travels through the air, gets reflected by the liquid surface and returns back to the sensor. The on board electronics measures this total travel time of the pulse and the liquid level is computed. Ultrasonic Level Sensor is a safe, clean, high precision, long life, stable and reliable, easy installation and maintenance ease of use easy to read and so on.

Technical features

Level Range:	5M, 10M
Accuracy:	0.25%-0.5%F.S
Operating Voltage:	220VAC 50Hz/ 24VDC
Operating Current:	120mA
Working Pressure:	2 Bar
Display:	Level measurement, distance measurement, transmission value, ambient temperature, echo state
Output:	4-20mA/750Ω load resistance/0~10 V DC(3 wires)
Ambient Temperature :	-20.....80°C
IP Rating:	IP65
Storage Temperature:	-20.....80°C
Storage Humidity:	≤90%RH
Blind Zone:	0.2-0.6m
Relay /Alarm Output:	AC 250V/ 8A; DC 30V/ 5A
Manufacturing Process:	ISO 9001

Dimensions



Part numbers

FX-USLS-5
FX-USLS-10

Ultrasonic Level Sensor with 5m Range
Ultrasonic Level Sensor with 10m Range

Sensors with Higher range can be requested separately from the factory