



Mod. **LU06**

Ultrasonic Level Sensor

Highlighted specs

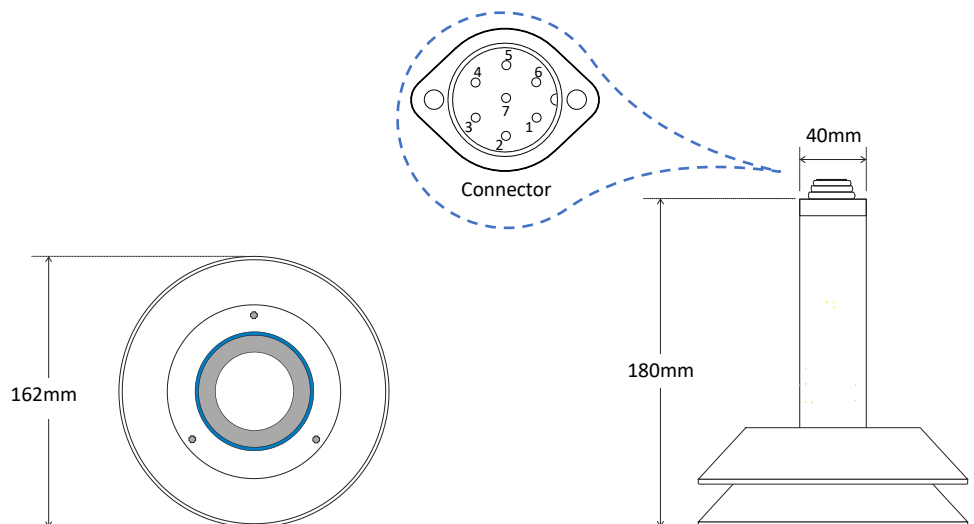
- High accuracy Hydrometer/Snow-meter
- Automatic Temperature compensation
- Piezoelectric measure device
- Waterproof IP67 body for outdoor application
- Accuracy <0.1% of full-scale value @20°C
- Available with various signal output
- According to **CE** norms

The sensor for **hydrometric level measure** or **snow level**, mod. Luxx-Nesa is made of a **piezoelectric transducer IP67**, housing inside a shield that protects the sensor from the direct solar radiation and from wind blasts. The transducer used supplies **extremely precise** measures, with an excellent repeatability, low hysteresis and stable behaviour with temperature, which allows to employ the sensor as a **hydrometer** and a **snow-meter**. Available with different outputs, **analog** (voltage or current) and digital **ModBus/RS485**.

Typical range	0÷6000mm (0÷10000mm on request) - dead band 300mm
Sensibility	1 mm
Accuracy	0.1% f.s. @ 20°C ($\Delta T < 2\%$)
Response time	< 1s
Type of transducer	Piezo-electric
Work frequency	65 kHz
Signal output	4÷20mA – RS485 ModBus (MCS Option)
Power supply and consumption	10,8÷30 Vdc, < 1,2 W (on measure)
Working conditions	-25 ÷ +70°C (-40 ÷ 70°C on request)
Protections	Polarity reverse and transient
Box	Aluminium body IP66
Weight	330g

Size and connections

Pin	LU06-B
1	--
2	Out +
3	Out -
4	Gnd
5	Vdc(10÷30V)
6	--
7	--



Note: for use as a snow level gauge, it is suggested to use an external temperature sensor for measure compensation as described in the manual, and the method of use (water or snow level) must be specified when ordering.

Order code

Output Sensor	Ultrasonic level Sensor	LU06			
Output	4÷20mA		B		
Accessories	CS05 – Cable 5m sensor - datalogger			05	
	CS10 – Cable 10m sensor - datalogger			10	
	CSxx – Cable xx* m length sensor - datalogger			xx	
	SSU – Sensors support L=750mm				SSU
	SS-P1 – Bridge support with joint				SS-P1
	Vertical hydrometric black and yellow plate gauge with digits (qty per meter)				ASTA-IDR90

*specify the length for no standard measures

example of order code LU06 B 10 SSU