



General

The snow meter WE770 is an instrument suited for measuring the snow height, it consist of an ultrasonic sensor.

The working principle of the sensor consists by timing how long a sound wave takes to return after reflecting into an object.

The instrument translate the elapsed time of the sound wave into distance, producing a 4-20 mA output signal directly proportional to the distance between the sensor and the snow.

Since has this sensor an electrical output, it can be easily read by any data acquisition system produced by SIM:

- A. MINILOG data acquisition system
- B. NATUN data acquisition system
- C. DATAVIEW read out unit

Applications

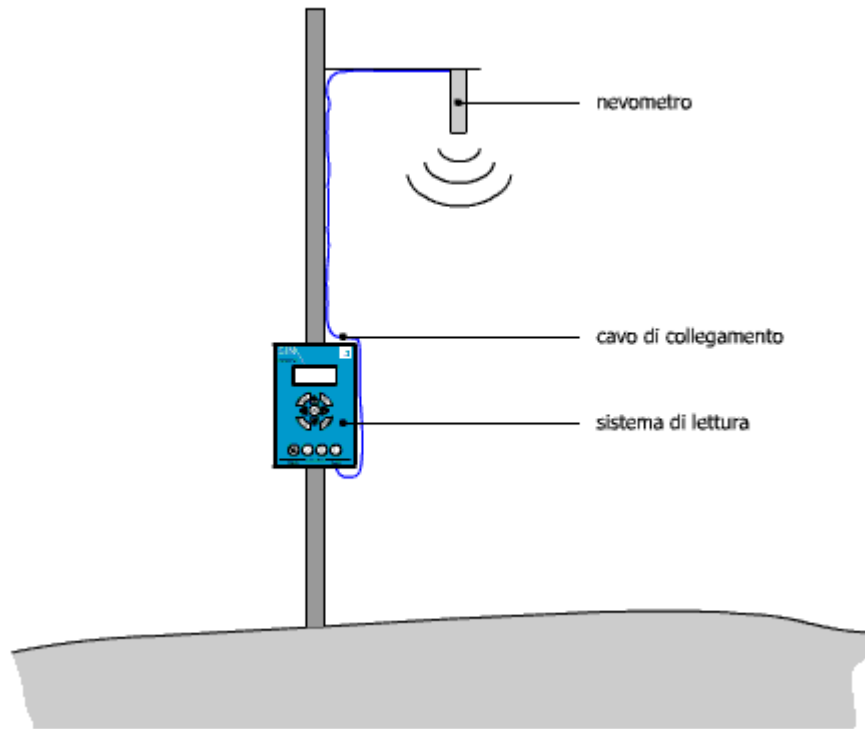
Snow depth measurement.

Non-contact measurement

4-20 mA Output



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Technical features

Model	WE770 - 01	WE770 - 02
Supply	14 – 30 Vcc	
Output	4-20 mA	
Range	0.25 – 2 m	0.4 – 3.5 m
Precision	0.3% FS	
Resolution	1.6 μ A	
Operating temperature	-40 ÷ + 80 °C	
Temperature error	0.06% °C	
Protection	IP67	
Dimensions	Ø 77 x 275 mm	
Material	ABS	
Weight	1.900 Kg	2.500 Kg

Accessories & spare parts

WE770 - AX - MW01	Puncheon
WE770 - AX - MWL1	Mounting hanger for model 01
WE770 - AX - MWL2	Mounting hanger for model 02
WE770 - AX - MWPR	Cover

WE770_EN ED01/07



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