

# Ultrasonic snow depth sensor

Model SEM226U



## Main features

- DC3.7-32V wide work voltage
- Backup and recovery parameter set
- Free adjustment of the range of analog output
- Set a filter value to remove
- Custom serial port data format
- Optional increment/difference distance measurement to measure air space or liquid level
- 1-15 transmitted pulse intensity depending on working conditions

## Compliance

The electromagnetic compatibility in accordance with the following applicable directives:

LVD 2014/35/EU Low Voltage  
 EMC 2014/30/EU  
 Electromagnetic Compatibility  
 EMC 2014/35/EU  
 Electromagnetic Compatibility

## Introduction

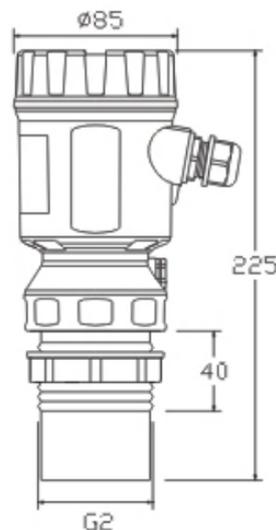
SEM226U Ultrasonic snow depth sensor, taking the advantages of various many level measuring instruments, is a universal one characterized by total digitalized and humanized design. It has perfect level monitoring, data transmission and man-machine communication.

It is featured by strong anti-interference performance; free setting of upper and lower limits and online output regulation, on-site indication, optional analog, switching value, and RS485 output and easy connection with main unit. The cover, made of waterproof engineering plastics, is small and firm with ABS probe. Therefore, it is applicable for various fields concerning level measuring and monitoring. According to the practical situation, it also can add other modules, such as RS 485, current output; it can be match with PLC better.

## Application

It is widely used in meteorological stations, monitoring, road traffic safety monitoring, aviation monitoring, agricultural production monitoring and other fields.

## Dimension



Unit:mm

\*Dimension will change by measuring range

## Specification

Range	5,8,10,12,15,20,25,30,40m
Blind zone	< 0.4-2m (different for range)
Accuracy	0.3%F.S
Resolution	1mm
Frequency:	20 ~ 350KHz
Display	OLED
Signal output	4 ~ 20mA RL>600Ω (standard) 1 ~ 5V\1 ~ 10V RS485 2 NPN
Supply voltage	3.7-32VDC
Power consumption	<1.5W
Working temperature	-20°C~70°C
Working humidity	0% RH~95% RH (non condensing)
Material	PVDF, ABS (Optional)
Electrical interface	M16X1.5-2
Dimension	Φ109mm×226mm ×G1 1/2 (Applicable range 3m) Φ109mm×226mm×G2 (Applicable range 3-15m) Φ109mm×257mm×G3 1/2 (Applicable range 15-40m)
IP	IP65

## Order guide

SEM226U	Ultrasonic snow depth sensor		
	CODE	Measuring range	
	XM	5,8,10,12,15,20,25,30,40m	
		CODE	Signal output
		1	RS485
		2	4 ~ 20mA
		3	1 ~ 5V
		4	1 ~ 10V
		5	2 NPN
SEM226U	5M	1	Order example