SEM406 Evaporation transmitter

MAIN FEATURES

- Using the principle of pressure measurement, the weight change of the liquid in the evaporating dish is measured by the principle of weighing, and then the height of the liquid level is calculated, so as to obtain the evaporation volume, and is not affected by the freezing of the liquid.
- The whole machine is made of 304 stainless steel, which is corrosion resistant and has a long service life.
- The use of digital sensors has the characteristics of high measurement accuracy, wide range, high sensitivity, no temperature drift, time drift, and long-term stable performance.
- The product's unique double-layer stainless steel design can effectively isolate external interference
- Use bottom-out wiring to reduce open wires and avoid line faults

OVERVIEW

SEM406 Evaporation Transmitter is an instrument developed by our company to observe water surface evaporation. The product adopts double-layer stainless steel structure design, which can prevent evaporation errors caused by direct sunlight, and the measurement accuracy is more accurate. The product adopts 304 Made of stainless steel, beautiful appearance, corrosion resistance, can effectively ensure the service life of the sensor. The use of digital sensors has the characteristics of high measurement accuracy, wide range, high sensitivity, no temperature drift, time drift, and long-term stable performance. The equipment adopts standard Modbus-RTU 485 signal output.
The equipment adopts the principle of pressure measurement, and measures the weight change of the liquid in the evaporating dish through the weighing principle, and then calculates the height of the liquid level, so as to obtain the evaporation volume, the measurement is more accurate, and the data is more scientific; it is not affected by the freezing of the liquid and overcome When using the ultrasonic principle to measure the height of the liquid level, there are disadvantages such as inaccurate measurement when freezing, easy to damage the sensor when there is no water, and low measurement accuracy.

SPECIFICATION

Supply voltage	10~30V DC
Power consumption	0.15W
Measuring range	0~200mm
Response time	＜1s
Accuracy	±1%
Output type	Standard Modbus-RTU protocol 485 signal output
Protection grade	IP66
Inner cylinder diameter	20CM
Inner cylinder height	20CM
Working temperature	-40～85°C
Working humidity	0～100%RH
Storage temperature	-40～125°C
Storage humidity	＜80% (no condensation)

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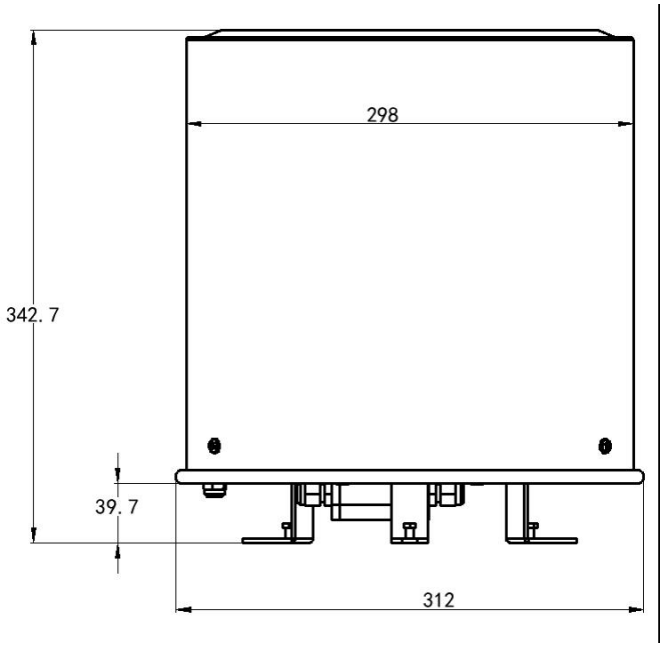
DIMENSION



ORDER CODE

Code:	A	–	B	–	C
SEM	406	–	D	–	R

Model	**Code A**
Evaporation transmitter	406
Material	**Code B**
Stainless steel housing	D

Signal output	**Code C**
485 output (standard Modbus)	R