

SEM400 Pulse RS485 Stainless Steel Rain Gauge
OVERVIEW

SEM400 is a precipitation measurement instrument, and its performance meets the requirements of the national standard GB/T 21978.2-2014 "Precipitation Observation Requirements".

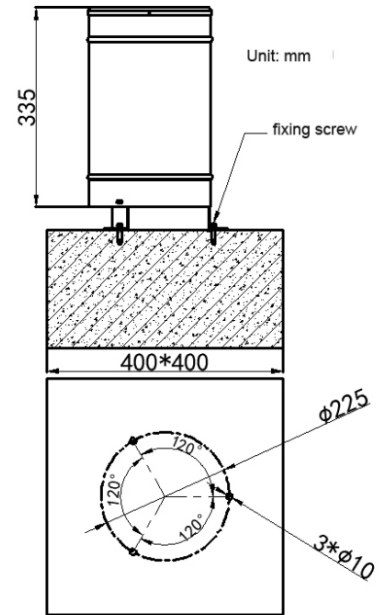
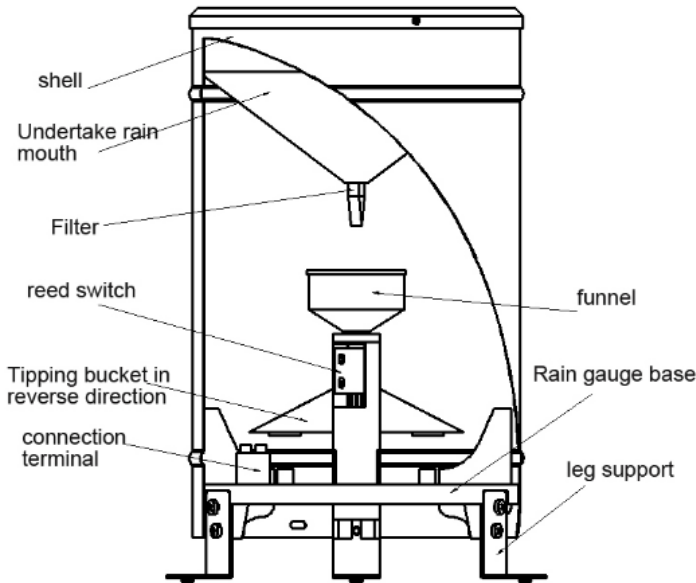
The core component of the instrument is a three-dimensional streamlined tipping bucket made of stainless steel, which makes the tipping bucket turn more smoothly, and has the functions of self-cleaning dust and easy cleaning. It can directly read the rainfall without secondary calculation, which is simple and convenient.

The instrument consists of rain gauge shell, rain collector, funnel, tipping bucket support, tipping bucket, bearing screw, water outlet, sealing joint, dry reed switch, horizontal bubble, adjusting support plate, control box, leveling It is composed of device, terminal, leg bracket, rain gauge base, etc. Among them, a tipping shaft, a circular horizontal bubble, a reed switch bracket and a signal output terminal are installed on the base of the rain gauge. Different from other tipping bucket rain gauges, the tipping bucket bushing of this instrument is an integrated positioning structure, and the tipping bucket is installed in the shaft bearing through the tipping bucket shaft. On-site installation brings convenience.


SPECIFICATION

Rain gauge cylinder diameter	Φ200mm
Resolution	default 0.2mm, optional 0.5mm
Cutting edge acute angle	40°~45°
Measurement error	≤±3% (indoor artificial precipitation, subject to the discharge of the instrument itself)
Rain intensity range	0mm~4mm/min (maximum rain intensity allowed to pass 8mm/min)
Output model	4~20mA/0~2V/0~5V/0~10V, pulse type, 485 communication (standard MODBUS-RTU protocol)
Power supply range	4.5~30V
Maximum power consumption	0.24W
Working environment	0~50°C, <95%(40°C)
Storage environment	-40~125°C, <80% (non-condensing)
Withstand voltage	≤100V (pulse type)
Withstand current	≤0.5A (pulse type)

CONSTRUCTURE & DIMENSION



ORDER CODE

Code:	A	-	B	-	C
SEM	400	-	SS	-	R

Model	Code A
Rain gauge	400
Material	Code B
Semi stainless steel	SS
Full stainless steel	FS

Signal output	Code C
485 signal output (Standard MODBUS-RTU protocol)	R
Pulsed output	P
Analog output	A