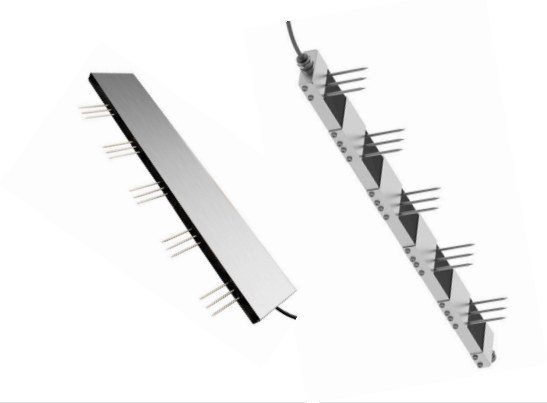


**SEM2255 Multi layer soil parameter detector**

**FEASTURES**

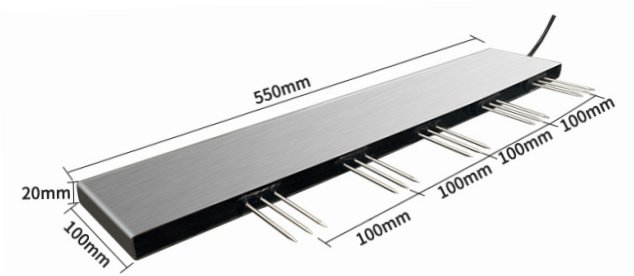
- Accurate measurement, fast response
- Five layer monitoring, real-time monitoring of different levels of soil temperature and humidity
- Imported processor, austenitic 316 probe, suitable for all kinds of soil
- Epoxy resin pouring
- IP68 protection



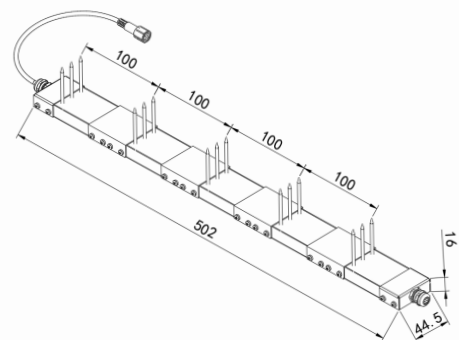
**SPECIFICATION**

Power supply	DC 5-30V	
Max. Power consumption	1.1W (12V DC power supply)	
Working temperature	-40°C~+80°C	
Temperature accuracy	± 0.5 °C	
Conductivity parameters	Range	0-20000us/cm
	Resolution	10us/cm
	Accuracy	It is ± 3% in the range of 0-10000 US / cm and ± 5% in the range of 10000-20000 US / cm
Soil moisture parameters	Range	0-100%
	Resolution	0.1%
	Accuracy	(within 0-50%)2%, (within 50-100%)3%
Soil temperature parameters	Range	-40~80°C
	Resolution	0.1°C
	Accuracy	±0.5°C
Conductivity temperature compensation	Built in temperature compensation sensor, the compensation range is 0-50 °C	
Protection grade	IP68	
Probe material	anti-corrosion special electrode	
Sealing material	black flame retardant epoxy resin	
Default cable length	1 meter, cable length can be customized as required	
Output signal	RS485 (Modbus Protocol)	

**OUTLINE STRUCTURE**



Four Layer



Five Layer

APPLICATION



ORDER CODE

SEM2255	Multi layer soil parameter detector		
	CODE	Function type	
	3M	3-layer soil moisture measurement	
	5M	5-layer soil moisture measurement	
	3M3T	3-layer moisture + 3-layer temperature measurement	
	5M5T	5-layer moisture + 5-layer temperature measurement	
	3M3E	3-layer moisture + 3-layer EC measurement	
	5M5E	5-layer moisture + 5-layer EC measurement	
	3M3T3E	3-layer moisture + 3-layer temperature + 3-layer EC measurement	
	5M5T5E	5-layer moisture + 5-layer temperature + 5-layer EC measurement	
		CODE	Signal output
		A	Modbus-RTU485
SEM2255	A	A	Order example