

Soil Moisture / EC / Soil Temperature Sensor

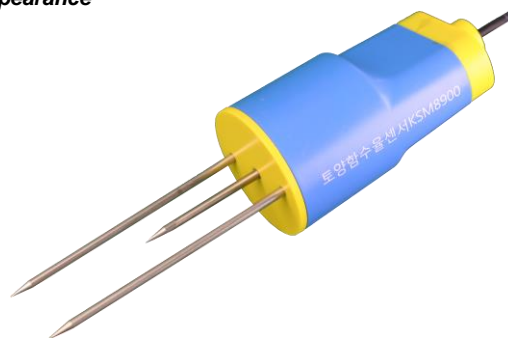
토양 함수율 센서 (KSM8900)

* Rev.01 (Dec. 23, 2015)

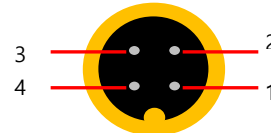
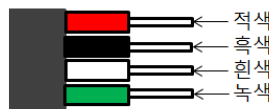
Technical data

Measurement	Measurement range	VWC 0.0 ~ 100.0%VWC EC 0 ~ 10dS/m Temperature -40 ~ 60°C
	Accuracy (@25°C)	VWC ±3%VWC (0 ~ 50%VWC) EC ±0.1dS/m (@ 0 ~ 1dS/m) ±10% (@ 1 ~ 10dS/m) Temperature ±1°C
	Temp. compensation	EC Automatic $\beta=2\%/^{\circ}\text{C}$
	Resolution	VWC 0.1%VWC EC 0.01dS/m Temperature 0.1°C
	Measurement time interval	Min 1sec
General Conditions	Warm up time	< 10 s
	Storage temperature	-20 ~ 80°C
	Operating Environment	-40 ~ 60°C, Max 95%RH
Measurement Type	Soil Moisture	Frequency Domain Reflectometry
	EC	Impedance
	Temperature	MEMS
Electrical	Power supply	5VDC
	Power consumption	70mA @5V
	Communication	RS-485
Dimensions	Out Dimension	120mm x Ø60mm (전극 길이 110mm)
	Weight	360g (with Standard Cable)
	Cable Length	Standard 5meter (Extendable)
Warranty	Two year	

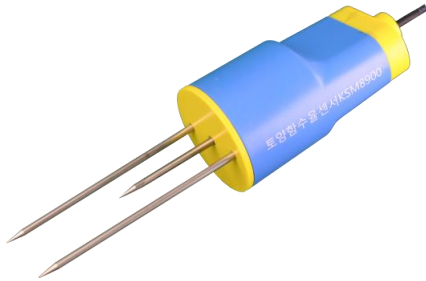
Product Appearance



Connect Information



Wire		Connector
적색	5VDC	Pin 1
흑색	GND	Pin 4
흰색	RS-485(-)	Pin 3
녹색	RS-485(+)	Pin 2



- 간편한 설치
- 토양 수분, 전기전도도, 토양 온도 동시 측정
- IP67에 준하는 방수 구조
- 자동온도보정 (보정계수 $\beta=2\%/^{\circ}\text{C}$)
- 사용 용도
Fertigation Management
Greenhouse Management
- 특기사항
통신을 위한 Protocol은
별도 자료를 참조하여 주십시오.
- 외관 및 규격은 성능개선을 위하여
예고 없이 변경될 수 있습니다.
- 프로그램
SENSECUBE Logger 프로그램
SR100 사용가능
프로그램 설치환경
Microsoft WINDOWS 7 / 8 / 10
(자세한 사항은 홈페이지 참조)

