




Specifications

Parameter	Value or Meaning
Supply Voltage (absolute maximum)	3.3V to 14V
	(Sub surface probes supplied std with 5M cable)
SDI communication port	ESD protection fitted
Baud rate SDI-12 mode	1200 7-bit Even parity, one stop bit
Supply Current Active Read (about 2 seconds for 6 sensor probe)	23mA
Supply Current idle	<0.1mA
Temperature measurement	-20 to +50 degrees centigrade
Sensor calibration	AIR (RH less than 75%) and distilled water Calibrated to read 0 (+-1) in air and 100 (+-1) in water
Sensor stability	Maximum drift of 3% over the warranty period as measured under that same calibration conditions
Sensor Resolution	Moisture 0.01 & Temp 0.1
Repeatability	Moisture 0.05 & Temp 0.2
Sensor drift with temperature	Less than 0.1% per degree Centigrade over the range +5 C to +40C

Connections

Signal		SDI-12 open ended	RS485 open ended	Classic male plug SDI	Classic male plug RS485
Supply Voltage		Brown	Brown	1	1
Data (or Data B)		Blue	Blue	2	3
Data A		-	Black	-	2
Ground		Green/Yellow	Green/Yellow	3	4

