

Pessl Instruments Multiple Soil Temperature

Order number: SAR19/SAR19M

SAR19/SAR19M provides soil temperature measurement from several centimeters to 15-meter deep by using the Pessl Instruments sensor BUS. The distance between the sensors can be chosen according to the application, but only up to 10 sensors can be attached to one sensor chain.



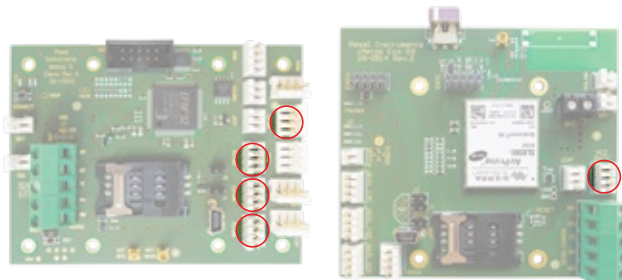
TECHNICAL SPECIFICATIONS

Temperature sensor	DS18B20
Operating temperature range	-55 °C to +125 °C
Supply DC voltage (range)	3-5.5 V
Thermometer error -10 °C to +85 °C	±0.3 °C
Drift	±0.2 °C
Data transmission	Rs 485 Digital signal (temperature data sent on demand of iMETOS main board)

CONNECTION TO MOTHERBOARDS

iMETOS 3.3

iMETOS ECO D3



Pessl Instruments Single Soil Temperature

Order number: WMTEMP

WMTEMP is a soil temperature sensor usually used with Watermark sensors on iMETOS ECO D3.



TECHNICAL SPECIFICATIONS

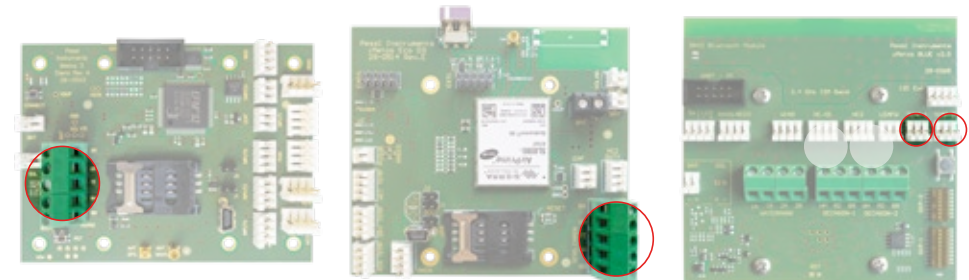
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CONNECTION TO MOTHERBOARDS

iMETOS 3.3

iMETOS ECO D3

μMETOS CLIMA/SOIL



INTERFACE

Necessary Interface to connect this sensor with iMETOS:

ECH871EXT, ECH874EXT or ECH871INT, ECH874INT or RFRN09, RFRN12 or WM-BUS