



## Multiple Soil Temperature

**SAR19**  
**SAR19M**



SAR19/SAR19M provide soil temperature measurement from several centimeters to 15 meter depth by using the Pessl Instruments sensor BUS. The distance between the sensors can be chosen according the application. Up to 10 sensors can be attached on one sensor chain.

<b>Temperature Sensor</b>	DS18B20
<b>Operating Temperature Range</b>	-55°C to +125°C
<b>Supply DC Voltage (range)</b>	3 - 5.5 V
<b>Thermometer Error -10°C to +85°C</b>	+/-0.3°C
<b>Drift</b>	+/-0.2°C
<b>Data transmission</b>	Rs 485 Digital signal (temperature data sent on demand of iMetos main board) iMetos checks all sensors every 5 minutes
<b>Part.no. SAR19</b>	Single chain soil temperature (1 soil temperature + interface)
<b>Part.no. SAR19M</b>	Additional soil temperature to connect on SAR19 (max. 10 sensors, min. distance in between)

**SOIL**

- IM5041D
- SAR19**
- ECH500
- ECH510
- ECH5TM
- ECH5TE
- ECH511
- MD510SM
- AQ600
- TNS103..7
- SEN12512
- SEN13512
- 100SMT
- ECH870E
- ECH871E
- ECH874E
- WM-BUS
- TNS100