



## GS1 Ruggedized Low Cost Volumetric Water Content Sensor

**ECH-GS1**



The GS1 is a ruggedized version of our basic, no-frills soil moisture only sensor. It accurately measures volumetric water content in soil or soilless media.

<b>Measurement Time</b>	10 ms (milliseconds)
<b>Accuracy</b>	±0.03 m <sup>3</sup> /m <sup>3</sup> in typical soils, up to 8 dS/m With soil-specific calibration: ±0.01 to 0.02 m <sup>3</sup> /m <sup>3</sup> Resolution: 0.001 m <sup>3</sup> /m <sup>3</sup> VWC in mineral soils
<b>Power Requirements</b>	3.0 VDC to 15 VDC (absolute maximum) @ 15 mA. Output: 1,000 to 2,500 mV
<b>Operating Environment</b>	-40 to 50° C
<b>Range of Measurement</b>	0 to 100% VWC
<b>Sensor Dimensions</b>	8.9 cm x 1.8 cm x 0.7 cm
<b>Cable Length</b>	5 m standard, custom cable lengths available upon request
<b>Part.no. ECH-GS1</b>	GS1Volumetric Water Content Sensor
<b>Interface</b>	Necessary Interface to connect this sensor with iMetos: ECH870EXT / ECH871EXT / ECH874EXT or ECH870INT / ECH871INT / ECH874INT

**SOIL**

- IM5041D
- SAR19
- ECH-GS1
- ECH500
- ECH510
- ECH5TM
- ECH5TE
- ECH511
- ECH512
- MD510SM
- GS3
- TNS103..7
- AQ600
- 100SMT
- SEN12512
- SEN13512
- ECH870EXT
- ECH871EXT
- ECH874EXT
- WM-BUS
- TNS100