

Oceana Sensor

WSeM™ Sensor Node

“Making Sensors Wireless™”

The WSeM™ Sensor Node provides our customers with an easy-to-use product to rapidly and easily make their voltage output sensors wireless. We have focused on easier development and implementation of 802.11 compatible wireless sensing products. No software development is necessary, just attach the sensors to the terminal block through the cable glands and configure the node with the supplied WSeM™ Toolkit and data will immediately be transmitted to the Demo Data Viewer which is also supplied. Additionally, the WSeM™ Sensor Node is supported by a technical support team that has developed wireless sensors and will understand your needs.



Included with the WSeM™ Sensor Node are the following items:

- One (1) Battery pack
- One (1) WSeM™ Toolkit Software
- User Guides

Wireless Sensor Module (WSeM™) Starter Kit – Short Specification

Hardware

Item	Value
Size	140mm x 120mm (~5.5" x 4.7")
Power Supply	17 Ah Lithium Thionyl Chloride battery pack
Temperature Range	-20 – 75°C (-4 – 167°F)
Analog inputs	
Number of Inputs	4
Analog Inputs connectors	Terminal block through cable glands
Input range	0 – 5V (DC-coupled)
Input impedance	>1MΩ
Source voltage	5VDC
Source current	30mA (maximum for sensors)
Sampling Frequency	Up to 5kHz/channel simultaneously

NOTE: The hardware specification is identical to the Wireless Sensor Module

Software

Item	Value
Software platform (For demonstration purposes)	WSeM™ Toolkit <ul style="list-style-type: none">• Tool for node configuration• Demonstration Data Viewer<ul style="list-style-type: none">○ Data stored in CSV file

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1632 Corporate Landing Parkway • Virginia Beach, VA 23454 • (757) 426-3678 • Fax: (757) 426-3633 • www.oceanasensor.com
or www.oceanasensormodule.com