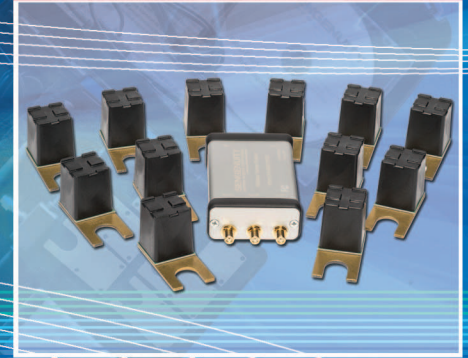


REAL TIME. ON-LINE. WIRELESS.



### Description

The TempTrackr™ Wireless System provides a passive, low cost temperature measurement solution that is ideally suited for applications ranging from high power switchgear to various industrial applications. The Kit is designed to showcase the capabilities of the TempTrackr™ Wireless System. Each Kit includes twelve passive wireless temperature sensors that are capable of reading temperatures between -20°C and 120°C.

The TempTrackr™ Wireless System is capable of tracking up to twelve sensors using a single interrogation antenna and up to 32 sensors using multiple interrogation antennae. SenGenuity will work closely with you to adapt the TempTrackr™ Wireless System to meet the specific needs of your application.

### Key Features and Attributes

- Passive Wireless Temperature Sensors
- Multiple Sensor Tracking Capability
- Reading Distance up to 3 meters<sup>1</sup>
- Temperature Range: -20°C up to 120°C
- User friendly, simple to use interface
- Plug-and-play sensor connectivity and installation

### TempTrackr™ - Contents

- Twelve Wireless SAW Temperature Sensors
- One USB Wireless Reader Unit
- One Dipole Antenna with extended cable for Reader
- Software CD
- Documentation
- Monopole Antenna
- Dipole Antenna
- Magnetic Mount

### Specifications

Specification	Typical Values	Unit of Measure
Wireless Reading Distance <sup>1,3,4</sup>	3	m
Communication Protocol	USB-Mini, CAN	N/A
Accuracy	±4 <sup>5</sup>	°C

Parameters	Typical Values		
	SAW Sensor Module	Reader Unit <sup>2</sup>	Unit of Measure
Operating Temperature Range	-20 to 120	-20 to 70	°C
External Power Supply	0	+5	V
Power Consumption	0	1.5	W
Dimensions	Max (54 x 35 x 29)	86 x 57 x 26	mm

Sensor Modules included in Kit					
SM-S428	SM-S429A	SM-S430A	SM-S431A	SM-S432A	SM-433R
SM-S434D	SM-S435A	SM-436A	SM-S437	SM-S438A	SM-S438B

Part Number	Description
723200098	Wireless Sensor Starter Kit TempTrackr™-12

- Notes:**
1. Depending on RF environment and antenna.
  2. Other reader options are available to be purchased separately: [www.sengenuity.com/tech\\_ref/WSR\\_T2\\_082012\\_HK.pdf](http://www.sengenuity.com/tech_ref/WSR_T2_082012_HK.pdf)
  3. FCC/EC regulation: [www.sengenuity.com/tech\\_ref/wsr\\_emc\\_compliance\\_advisory.pdf](http://www.sengenuity.com/tech_ref/wsr_emc_compliance_advisory.pdf)
  4. Free space measurement
  5. Improved accuracy upon request

Product status and specifications are subject to change.

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