

REAL TIME. ON-LINE. WIRELESS.



Description

The TempTrackr® Wireless System provides a passive, non-invasive and 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. The TempTrackr® Wireless System-6 is capable of tracking up to six sensors using a single interrogation antenna and up to eighteen sensors using multiple interrogation antennae. In addition to the wireless temperature sensing the TempTrackr® is also able to measure Partial Discharge (PD) events without any extra hardware - making it the perfect sensing system for switchgear applications.

Key Features and Attributes

- Passive wireless temperature sensors
- Multiple sensor tracking capability
- Reading distance up to 3 meters¹
- Temperature range: -20°C up to 120°C
- Plug-and-play sensor connectivity and installation
- Integrated Partial Discharge Functionality

TempTrackr® - Contents

- Six Wireless SAW Temperature Sensors
- One Wireless Reader Unit and USB/RS485 converter cable
- One PIF antenna and cable
- One Dipole antenna and magnet mount incl. cable
- Software and documentation on USB stick

Specifications

Specification	Typical Values	Unit of Measure
Accuracy	± 2	°C
Wireless Reading Distance ^{1,3,4}	3	m
Communication Protocol	RS485, CAN	N/A

	SAW Sensor Module	Reader Unit ²	Unit of Measure
Operating Temperature Range	-20 to 120	-20 to 70	°C
External Power Supply	no	+5 via USB/RS485 converter cable	V
Power Consumption	0	1.5	W
Dimensions	Max (54 x 35 x 29)	86 x 57 x 43	mm

Sensor Modules included in Kit

SM-S429-I	SM-S432-H	SM-S435-G
SM-S431-I	SM-S433L-H	SM-S436-G

Ordering information

Part Number	Description
723200115	Wireless Sensor Starter Kit TempTrackr-6

- Notes:**
1. Depending on RF environment and antenna.
 2. Other reader options are available to be purchased separately: http://www.sengenuity.com/tech_ref/WSR_T2_A4B7.pdf
 3. FCC/EC regulation: www.sengenuity.com/tech_ref/wsr_emc_compliance_advisory.pdf
 4. Free space measurement

Product status and specifications are subject to change.

DISCLAIMER

Vectron International reserves the right to make changes to the product(s) and or information contained herein without notice. No liability is assumed as a result of their use or application. No rights under any patent accompany the sale of any such product(s) or information. REV. 14/08/2017