

ITD-7366R H Temperature Sensor

- Wireless operation over Active UHF or Wi-Fi CCX, ACX or UDP psk
- WPA2 Enterprise with DHCP
- -20°C to +125 °C range with selected probes
- Reliable and accurate temperature measurement
- Dual port capabilities for dual-zone monitoring, door ajar sensing, or dry contact equipment alerts
- Direct replaceable NIST-Traceable temperature probe for cost-effective replacement programs
- Configurable reporting rates (5 to 60 minutes)
- Configurable measurement rates (5 to 60 minutes)
- Audible and visual local alerting when temperature measurement is out of range
- Patented Guaranteed Data Delivery (GDD), measurement data storage for up to 30 days in case of network outage
- Long battery life with low-battery alert feature
- BLE connectivity and smart-app for setup and data review
- VFC Compliant for refrigerators and freezers



CenTrak's Temperature Sensor, ITD-7366R H, is designed to eliminate the need to take 24/7 continual manual measurements to meet regulatory requirements. The sensor uses high quality NIST-Traceable probes to ensure accurate and reliable temperature monitoring, with back up storage to secure recordings at all times. The ITD-7366R H is a probe-based temperature sensor that has the ability to monitor a wide range of temperatures, from cryogenic freezers to above room temperature reliably and accurately with customizable reporting rates. The sensor comes equipped with two ports to support door ajar sensing, a second temperature measurement, or dry contact equipment alerts. The built-in display allows for immediate temperature viewing alarms and local alert settings. The display and alerting features are VFC compliant, ensuring accurate monitoring and alerting when storing vaccines.

The device enables a cost-effective mechanism to ensure critical items are stored at desired temperatures. The ITD-7366R H can generate alerts when temperatures are sensed above or below user-set parameters, and the system can provide temperature logs which eliminate human error and the cost of manual documentation. The sensors will continue to monitor temperature in the event of a power or network outage and have the ability to store up to 30 days of measurements offline which can be transmitted when the network is restored. The sensors operate over Active UHF and can operate over any Wi-Fi CCX, ACX or WPA2 network as needed. The sensors also have Bluetooth Low Energy (BLE) connectivity for local setup and monitoring to CenTrak tablet and smartphone applications.

Maintenance and management are easy. The CenTrak family of temperature and environmental sensors offer long battery life, are fully configurable in the field, and supports for wireless upgrades.

The ITD-7366R H was designed to allow very simple and quick swaps of integrated probes with practically no downtime. The probe swap can be easily performed by the end user, substantially reducing the cost of ownership.

Technical Specifications

Operation*	
CCX, ACX or Associating WPA2 Enterprise	2.4 GHz (operates on 802.11 b/g)
FCC Operating Range (Americas)	902-928 MHz
CE Operating Range (Europe, Mid East)	868-870 MHz
Operating Range (Australia/NZ)	920-926 MHz
Bluetooth	2.4 – 2.4835GHz
Number of Probe Ports	2
LED indicator	Yes
Local Audible Alert	Yes
NIST Traceable Calibration	Yes
Battery Replacement	Yes
Temperature Range	-20°C to +125 °C
Sensor Dimensions	
Case Length	4.7 in (120 mm)
Case Width	2.875 in (73 mm)
Case Height	Single battery – 0.9 in (23 mm) Three battery – 1.375 in (35mm)
Case Weight (with battery)	Single battery – 4 oz (114 g) Three battery – 5.2 oz (147 g)
Construction	PC/ABS Mixture
Durability	Tough, impact resistant and temperature stable
Environmental/Cleaning	
Storage Temperature (Sensor)	- 20 °C to 75 °C (for best battery life)
Operation Temperature(Sensor)	storage at room temp or below)
Sealing	Splash Resistant
Sensor Cleaning Method	Wipe cleaning method only. See Tag Disinfection Guide for instructions
Power	
Battery Type	Single or triple Lithium AA (replaceable)

This component complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: 1) The device may not cause harmful interference, and 2) this device must accept any interference received, including interference that may cause undesired operation. Modifying or tampering with the transceiver's or receiver's internal components can cause a malfunction, invalidate the warranty, and will void FCC authorization to use these products. This product or its systems are covered by one or more of the following U.S. patents: 5,917,425, 7,061,428, 7,378,964, 7,619,532.

L'utilisation de ce dispositif est autorisée seulement aux conditions suivantes : (1) il ne doit pas produire de brouillage et (2) l'utilisateur du dispositif doit être prêt à accepter tout brouillage radioélectrique reçu, même si ce brouillage est susceptible de compromettre le fonctionnement du dispositif.

Contact Us: www.ctrak.com | marketing@ctrak.com | **800-515-2928**

FCC regulatory conformance

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference.
- (2) This device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more

of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help

NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

RF Exposure

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 20 cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

IC regulatory conformance

This device complies with CAN ICES-3 (B)/NMB-3(B).

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Cet appareil est conforme à la norme CAN ICES-3 (B)/NMB-3 (B).

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

RF Exposure

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 20 cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Cet équipement est conforme aux limites d'exposition aux rayonnements de la IC établies pour un environnement non contrôlé. Cet équipement doit être installé et fonctionner à au moins 20 cm de distance d'un radiateur ou de votre corps.