



SmartRock[®] Long Range

A SmartRock[®] and SmartHub[™] Long-Range remote monitoring solution for your largest project sites



Wire-Free
& Wireless
Technology



Remote
Monitoring
Capabilities



Easy
Activation &
Installation



Real-Time
Data
Collection

SmartRock Long Range

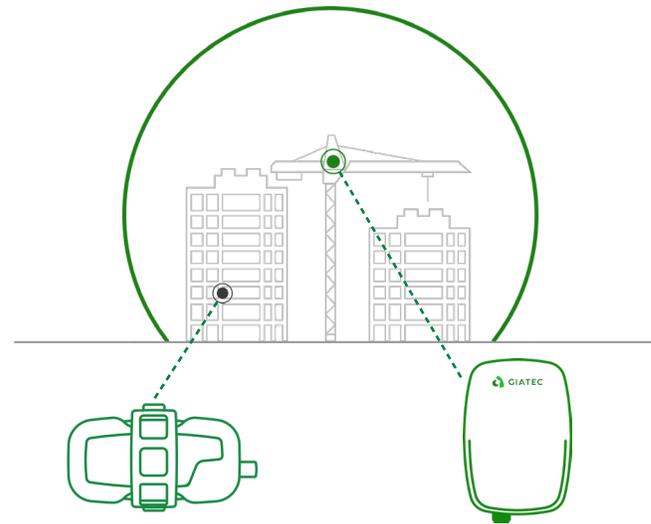


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Overview

The SmartRock Long Range and SmartHub Long Range temperature and strength monitoring solution is a new generation revolutionary ecosystem for effective 24/7 remote monitoring on the concrete job sites. It enables contractors, testing agencies, and concrete producers to have real-time insights into hard-to-reach places and hazardous projects like highway structures or high-rise buildings as well as it excels in harsh applications like cold-weather concreting.

With the SmartRock Long-Range sensors connected to the SmartHub Long Range, data collection can be performed effectively with the strong range of signal, making it convenient for remote monitoring at large sites enabling accurate monitoring of concrete curing and hardening.



SmartRock Long Range

Technical Specifications

Reading Range
-22 to +181 °F (-30 to 85 °C)

Measurement Accuracy
± 1.8 °F (± 1 °C)

Measurement Resolution
± 0.18 °F (± 0.1 °C)

Measurement Frequency
Once every 15 mins

Battery Life
Up to 4 months

Sensor Dimensions
L: 3 1/8" (80mm), W: 1 5/8" (42mm), H: 1 3/16" (30mm)

Temperature Cable Length
12 in (30 cm) / 10 ft (3 m) /
By request: 50 ft (15.2 m)

Data Formats:
Export as PDF or CSV

Maturity Standards
ASTM C1074 (The method is approved by ACI 318, CSA A23.1)



SmartHub Long Range

Technical Specifications

Wireless Signal Range*
Up to 1000 ft (300m)

Cloud Sync Frequency
Once every 15 Min

Battery Life
Requires external power

Operating Temperature
-40 to 140 °F
(-40 to 60 °C)

Weight
3.6 lbs

Hub Dimensions (Does not include antenna)
(10.4 x 6.5 x 3.9)
(265 x 165 x 100 mm)

*Based on sensor installation and depth requirement

SmartRock Long Range

The remote data from SmartRock Long-Range sensors synchronize to Giatec 360™, the cloud-based dashboard, and to the SmartRock App via cloud on your team's mobile devices.

SmartHub Long Range

While collecting data at an impressive range of up to 1000 ft (300 m), the SmartHub Long Range automatically connects to an unlimited number of sensors on the job site.

Benefits Of Wireless Remote Monitoring

With this Long-Range solution, sensors can alert the construction teams to potential issues early in the curing process which helps in improving quality control. With access to accurate and timely data, these sensors help mitigate the risk of concrete-related issues and failures on large sites, ultimately reducing the potential for costly rework or project delays.

In summary, SmartRock Long Range sensors along with SmartHub Long Range offer numerous advantages to construction and concrete projects enhancing overall project efficiency and sustainability. These benefits lead to better project outcomes and cost savings over the long term.

The new technology, SmartHub Long Range, is only compatible with the SmartRock Long-Range sensors. This is because SmartRock Long Range is designed specifically for the SmartHub Long Range's functionalities.

Giatec's Long Range options are now available to the North American market as well as select other countries. Visit our website giatec.ca for more information.