CONCRETE SENSORS PORTFOLIO

HILTI CONCRETE SENSORS SELECTION

Function	Onsite Data Collection with Bluetooth	Automatic Data Collection with Hilti Gateway	Hilti Gateway for Automatic Data Collection
			
Model	HCST1, HCST1-Bx	HCST2, HCST2-Bx	HCSCSGW01-NA
Description	Best when: • You're on the job site to sync the data • Your crews can be near the in-field sensors	Best when: • You require 24/7 real-time data and alerts • You're not on the job site every day to sync the data • Your crews can't be near the in-field sensors	Best when: • You require 24/7 real-time data and alerts • You're not on the job site every day to sync the data • Your crews can't be near the in-field sensors
Increased labor cost savings	• Easier installation • No wires to trip over or get damaged by the crews • Automated reporting and effortless sharing	• Easier installation • No crews needed for onsite data collection • Automated reporting and effortless sharing	• Easier installation • Data syncs automatically to our Hilti Concrete Sensor software • Accessible via mobile app or browser • Data can be accessed anytime, anywhere
Improved efficiencies	• We test for you, we calculate the maturity curve • No additional data analysis needed • Real-time alerts help optimize decision making	• We test for you, we calculate the maturity curve • No additional data analysis needed • Real-time alerts help optimize decision making	• Set it up on the job site • Connect it to a power source • Use with HCS T2 or HCS T2-Bx models • Automatic data collection provides you with valuable data 24 hours a day • Set it and forget it
Move with added confidence	• A more accurate and durable solution on the market • Rugged reliability with no data loss	• A more accurate and durable solution on the market • Rugged reliability with no data loss	• Designed to be left outdoors • Rugged reliability with no data loss

PRODUCT SPECIFICATIONS

Function	Onsite Data Collection with Bluetooth	Automatic Data Collection with Hilti Gateway*	Hilti Gateway for Automatic Data Collection
Model	HCST1, HCST1-Bx	HCST2, HCST2-Bx	HCS CSGW01-NA
Dimensions			18" × 5" × 12" (46 cm x 13 cm x 30 cm) (12" (30 cm) antenna on top and extendable tripod below)
Power requirements			120 V 60 Hz Max power draw is 65 W
Power source			AC
Temperature Range	–40° F to +185° F (–40° C to +85° C)	-40° F to + 185° F (–40° C to +85° C)	
Temperature Accuracy	±0.1° C (exceeds ASTM C1074)	± 0.1° C (exceeds ASTM C1074)	
Wireless Signal Range	Up to 100 feet (30 m)	Up to 1000 feet (305 m)	Up to 1000 feet (305 m)
Depth of Transmitter/Sensor (max.)	6 inches (15 cm) from surface	6 inches (15 cm) from surface	
Data Collection Frequency*	Strength and Temperature: every 15 minutes	Strength and Temperature: every 15 minutes	
Cable Lengths	3 feet (91 cm) 8 feet (2 m) 15 feet (5 m)	3 feet (91 cm) 8 feet (2 m) 15 feet (5 m)	
Data Sync	Automated sync with Hilti concrete sensor software, available in iOS** app or Android**, or view from a browser	Automated sync with Hilti Concrete Sensors software, available in iOS** app or Android**, or view from a browser	All sensor data is communicated over industry-standard, NIST-approved, encrypted communication channels, and all sensor communication is protected against eavesdropping, alteration, and impersonation
Internet connectivity			Provided by Hilti Concrete Sensors via cellular modem
Material reliability	Rugged water-resistant plastic housing	Rugged water-resistant plastic housing	Rugged weather-resistant plastic housing
Regulatory approvals			FC
Standards	Complies with ASTM C1074	Complies with ASTM C1074	Complies with ASTM C1074

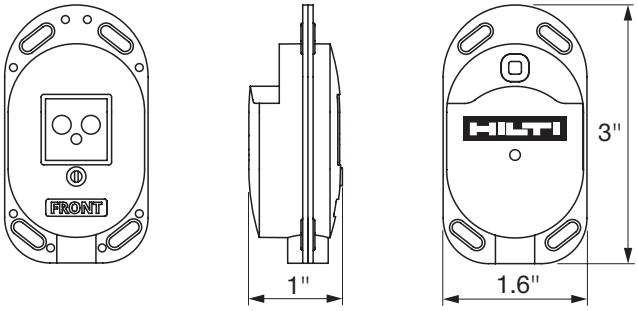
WHICH HILTI SENSOR MODEL DO I NEED?

Model	Strength and/or Temperature	6" (15cm) or less Monitoring Depth	6" (15cm) or more Monitoring Depth	Automatic Data Collection
HCST1	X	X		
HCST1-Bx	X		X	
HCST2	X	X		X
HCST2-Bx	X		X	X

* For automatic data collection with Hilti Concrete Sensors at least one Hilti Gateway is placed onsite to collect the data.
** Android is a trademark of Google LLC. and IOS is a trademark or registered trademark of Cisco in the U.S

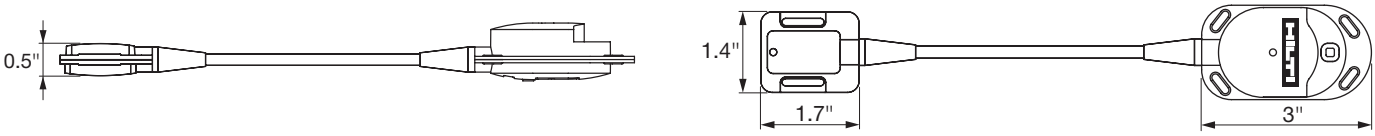
PRODUCT DIMENSIONS

HCS T1

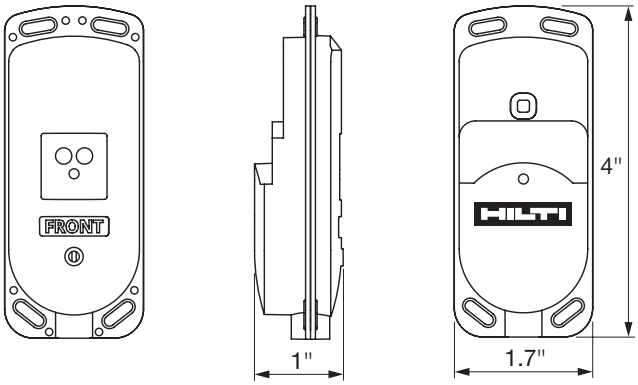


Hilti embedded wireless sensors continuously capture, store and send data via Bluetooth® to our Hilti cloud software for monitoring the strength and temperature of the in-field concrete. You can then view the data through our Hilti mobile app or through a browser.

HCS T1-Bx

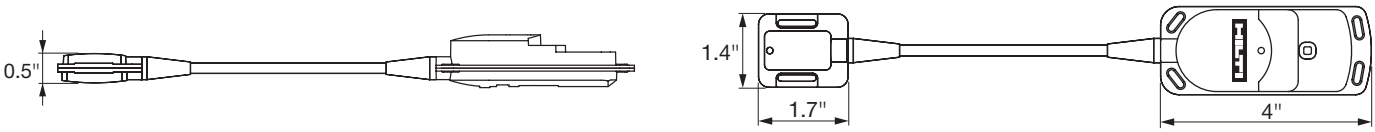


HCS T2



Hilti embedded wireless sensors continuously capture, store and send data via cellular system with the Hilti Gateway to our Hilti Cloud software for monitoring the strength and temperature of the in-field concrete. You can then view the data through our Hilti mobile app or on a browser.

HCS T2-Bx



Please note:
Hilti Gateway requires at least one HCS T2 or HCS T2-Bx sensor placed inside or on top of the in-field concrete along with the Hilti Concrete Sensor software for automatic data collection.

Go to the App store or Google Play store to download the free Hilti Concrete Sensors software.