

LUMICON CONCRETE MATURITY MONITORING



CONCRETE
TEMPERATURE



CONCRETE
MATURITY



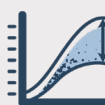
CONCRETE
STRENGTH



RELATIVE
HUMIDITY



EVAPORATION
RATE



TEMPERATURE
DIFFERENTIAL

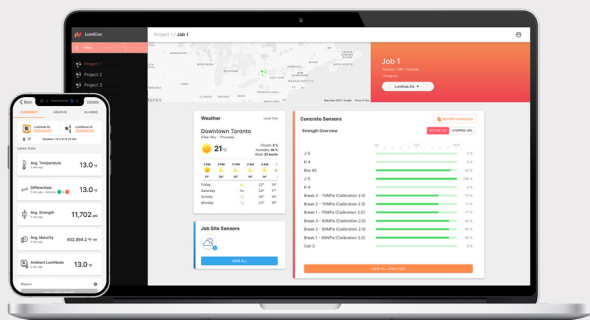
CONCRETE MONITORING PLATFORM

LUMICON

YOUR EASY INSTALL CONCRETE MATURITY MONITORING PLATFORM

Using advanced digital sensing and IoT technology, LumiCon delivers real-time data and valuable insights on the curing progress of your concrete, helping you prevent delays and manage quality assurance at the thermal shelters quicker. The system helps us the job site.

Results and customized reports are accessible remotely on any device using the LumiCon app and cloud dashboard. Alerts keep your project team updated on the progress of your concrete jobs and help you make informed decisions.



LUMINODE+

- Cloud based
- Connects via cell network
- Real time data access 24/7 via mobile app
- Customisable alerts
- Multi format reporting data via PDF, CSV, Excel
- IP68 rated compnents
- Hire or purchase the system
- Recharge via USB-C
- Easy to use
- Easy to install monitoring sensors
- Up to 30 sensors per cable

PLUG AND PLAY





I LUMISENSE PRO

LUMISENSE PRO IS COMPATIBLE WITH UP TO 30 SENSORS ON A SINGLE CABLE.

LumiSense Pro is a flexible multi-point temperature measurement cable designed to be embedded directly inside concrete. It supports up to a maximum of 30 sensors. Built for extreme reliability and high accuracy, it is designed for measuring temperature at multiple locations inside concrete, freeing the need for multiple loggers/transmitters. LumiSense Pro is fully tested and ruggedized for any demanding construction environment.

A wide variety of selections is available for cable dimensions and sensor spacing for projects requiring higher levels of customization. A single-point sensor cable is also available for specific monitoring requirements.

SPECIFICATIONS		
Operating Temperature Range	-30 to 80 °C	
Typ. Temperature Accuracy	-20 to 70 °C	±0.2 °C
	< -20 °C & > 70 °C	±0.5 °C
Cable Diameter	6.3mm	
Sensor Diameter	15.9 mm	
Cable Pull Strength	100 kg	
Number of Sensors per Cable	Up to 30 Sensors	
Code	6190-LSPS2S7L	

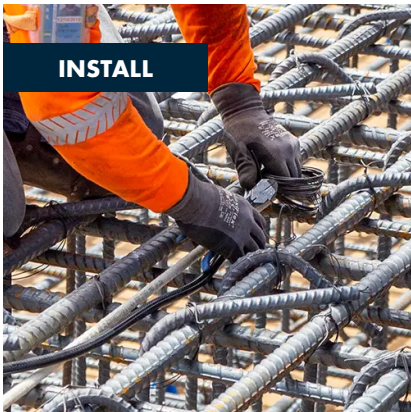


I LUMISENSE

LUMISENSE IS ESSENTIAL FOR SYSTEM OPERATION AND MUST BE CONNECTED TO A LUMINODE TRANSMITTER IN ORDER TO COLLECT AND TRANSMIT CONCRETE TEMPERATURE DATA.

LumiSense is a single-point sensor cable designed to be embedded within a concrete slab prior to pouring. Built for precision and reliability, LumiSense measures temperatures at a high degree of accuracy through a sealed IP68-rated stainless steel end tube.

SPECIFICATIONS		
Operating Temperature Range	-30 to 80 °C	
Typ. Temperature Accuracy	-10 to 80 °C	±0.5 °C
	< -10 °C	±1.0 °C
Cable Diameter	3.2mm	
Sensor Diameter	4.0mm	
Cable Pull Strength	13 kg	
Number of Sensors per Cable	1 Sensor	
Code	6190-LS3	



INSTALL

LumiCon sensors are easy to install. Simply secure the sensors to rebar with tie wraps.



PLUG

Plug the sensors into the transmitter node for wireless connectivity.



MONITOR

Monitor the performance of your concrete by accessing real-time data available 24/7.



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