



CONCRETE STRENGTH AND TEMPERATURE PROFILING SYSTEM

intelliRock[®] III



intelliRock III is the leading solution for monitoring concrete strength and temperature. This concrete decision-making system allows you to report and review critical data from anywhere via cloud-based software. It is also the only system available to retain secure, uninterrupted, and unalterable data. intelliRock III offers all of the tools you need to complete projects within budget and on schedule, including multiple mix design access, various alerts, and an infrared camera for temperature measurement and heat profiling.

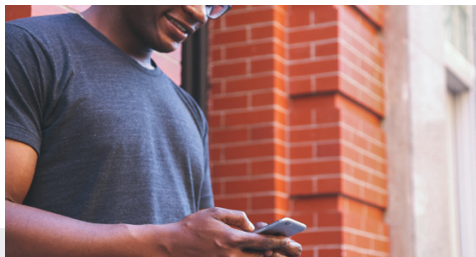
www.flir.com/intellirock3



COMPLETE PROJECTS FASTER AND ON TIME

Prevent delays due to concrete strength or temperature issues, and avoid penalties

- Collect, monitor, and report mass-concrete data with ease
- Set up parameters for alerts with logger comparison feature
- Ensure differentials are accurate with sliding-scale logger comparison



ACCESS DATA FROM ANYWHERE

Report and review critical concrete data via cloud-based software

- Conveniently review data from a computer with reader Bluetooth[®] connectivity
- Review critical data from any location via mobile device with LTE wireless communication
- Save and access data via cloud software



ENSURE CONCRETE QUALITY

Mitigate liability due to cracks and structural defects

- Prevent thermal cracking by monitoring differential temperatures and receiving timely alerts via email or smartphone when conditions warrant
- Receive reliable, valid data from start to finish, and ensure strict specifications are met
- Detect delamination, temperature gradients, temperature extremes, and more

SPECIFICATIONS

General Logger	intelliRock III
Operating Temperature	-20°C to 99°C
Max Storage Time and Temperature	85°C for 5 years
Max Temperature Measurement Range	-20°C to 125°C
Temperature Accuracy	±1°C (-20°C to 80°C), ±2°C (80°C to 99°C)
Temperature Resolution	1°C
Time Accuracy	1 minute per month
Temperature Measurement Rate	1 minute (resolution for min/max)
Maturity Integration Period	1 minute
Overload Dose Rate Range (Cs-137, NaI)	10mSv/h - 500mSv/h (1rem/h - 50rem/h)

Data Logging	
Time	Yes
Temperature	Yes
Maturity	Yes
Events	6+ max and min temperature
Notes	8+ job site name and logger location

Logger Model-Specific Info

Type of Logger	Temperature Only or Maturity
Available Cable Lengths	4, 8, 15, 30, 50, 100, 150, or 200 ft

intelliRock III Reader

General Reader Operating Temperature	-5°C to 50°C
Time Accuracy	1 minute per month
Logger Data Storage	999 logger downloads
Calibration Curve	Holds 5 calibration curves for strength conversions
PC Interface	USB and Bluetooth®
Camera	160x120 resolution thermal imager

Specifications are subject to change without notice. For the most up-to-date specs, go to www.flir.com

Item Name	Part Number	Description
intelliRock III Temperature Loggers	TPL-03-1M180D	Measures and stores temperature every minute for 180 days.
intelliRock III Temperature and Maturity Loggers	MAT-03-1M180D	Measures and stores temperature and calculates maturity value every minute for 180 days.

intelliRock III Handheld Reader

intelliRock III Reader	KIT-03-Reader Kit	Handheld reader starts loggers and allows viewing of critical numeric and graphed data in the field. Includes built-in thermal imager, storage for data from thousands of loggers, and up to 999 thermal images.
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intelliRock III Wireless Data System

intelliRock III 8 Channel Wireless Remote	IRWI3-R8-1000mW	Allows connection of up to 8 intelliRock loggers and transmits their data either via 4G/LTE to cloud-based software, or via a 900 MHz radio to the PC and then to the cloud. 900 MHz radio requires the optional base station.
intelliRock III Base Station (optional)	IRWI3-BaseStation-USB	Receives 900 MHz signal from field wireless remotes to allow transfer of data to the PC and cloud software.

Contact a FLIR sales representative to create a custom concrete-profiling solution.



intelliRock Wireless provides instant access to critical decision-making information from your computer.

OKLAHOMA

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