



PERI InSite Construction

The solution for optimal concreting processes

Optimising the utilisation and operating times of the formwork
by monitoring the temperature and calculating the concrete strength

Ease of use
thanks to the compatibility with all formwork systems and the intuitive web application

Increase in concrete quality
by reducing cracking thanks to the precise temperature monitoring



Learn more about
PERI InSite Construction
in our YouTube video

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PERI InSite Construction

The Temperature Monitoring and Concrete Maturity Kit

PERI InSite Construction optimises the concreting work on your construction site and helps you save time and costs. The key: a measuring device, a cloud and a sensor. With the PERI InSite Construction Temperature Monitoring and Concrete Maturity Kit, you always have the temperature and strength of the concrete in view.

The use of the system leads to an optimised concreting process and supports you in achieving a higher concrete quality. It continuously measures the temperature at different points in the concrete and then transmits the data to the ISC Web Application.

This allows you to analyse the collected data independent of time and location. This real-time information allows you to make informed decisions and can lead to higher concrete quality. The time-consuming manual reading and recording of the measuring points during the concreting process is no longer necessary.

If the concrete temperature is higher or lower than desired, you as a user will receive a notification so that you can take appropriate measures. For mass concretes, you can also monitor the temperature difference between the core and the outer layers to reduce thermally induced cracking.

The temperature monitoring also helps you to determine the concrete strength and thus the ideal time for striking. This can optimise the utilisation and operating times of the formwork and enable early striking, saving you valuable time and money.

Benefits at a glance:

- Compatibility with all formwork systems, easy handling of the hardware and intuitive ISC Web Application
- Real-time information enables informed decisions and can lead to higher concrete quality
- Optimisation of the utilisation and operating times of the formwork through temperature monitoring and calculation of the concrete strength

Scope of delivery of the PERI InSite Construction standard set:

- an ISC Hub, two Nodes, a total of 100 m of ISC Thermocouple Cable and an ISC Ambient Climate Node

Easy assembly and handling



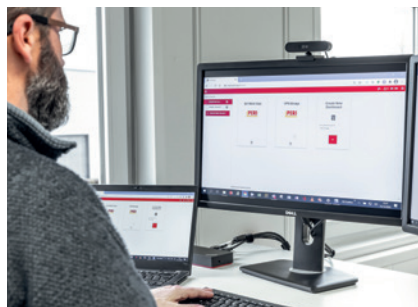
The installation of the ISC Thermocouples is very simple: Before the concreting process, you install them in the reinforcement.



To transmit the measured values, connect the ISC Thermocouples to an ISC Temperature Node. You can attach this almost anywhere, such as to the formwork or a guardrail.



The ISC Nodes forwards the data to the ISC Hub. From there, they are uploaded into the ISC Web Application.



Thanks to the intuitive ISC Web Application, you can analyse the collected data at any time, regardless of location, in order to achieve an optimal concreting result.

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