

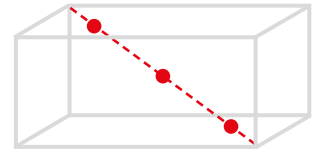
SENSORS

for monitoring the concrete curing conditions

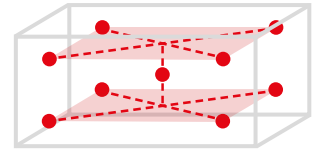


TEMPERATURE AND HUMIDITY SENSOR "COMBI SENSOR"

- ▶ Ideal for concrete curing chambers used with systems like Quadrix, Nautilus and Convect-Air.
- ▶ Depending on the number of sensors used, they are evenly distributed in the chamber.
- ▶ The more sensors installed, the more precisely the curing process is monitored.



placement of 3 sensors in one chamber

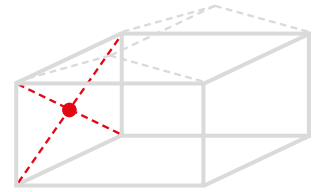


placement of 9 sensors in one chamber



TEMPERATURE SENSOR "HEAVY DUTY"

- ▶ Ideal for chambers and tents where vapor curing is used.
- ▶ The temperature sensor is installed inside a stainless-steel sheathing and is surrounded by a special silicone layer so that it simulates the slower heat gain of concrete.
- ▶ Depending on the application the sensor may be fixed to the centre of an interior wall of the chamber or tent at half of ceiling height.

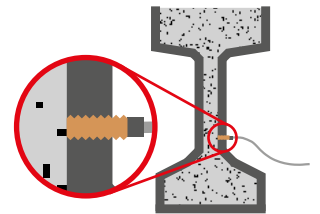


placement of the sensor in a chamber/tent

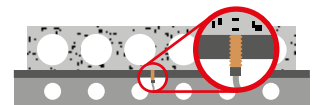


SURFACE TEMPERATURE SENSOR

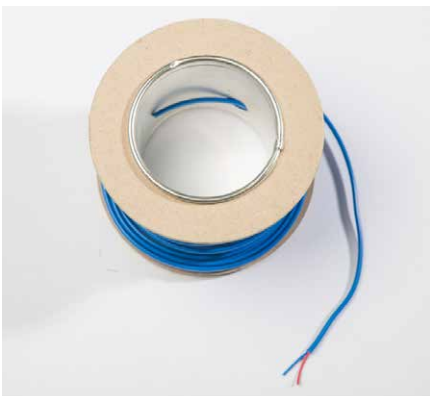
- ▶ The best solution for precast concrete elements, mostly used with ThermalCure® or Vapor Systems.
- ▶ A small hole is drilled into the steel form/bed (from the underside for Hollow Core beds). The hole is then threaded to allow the sensor to be screwed inside.
- ▶ The sensor head is made flush with the inner wall of the concrete form and is in direct contact with the concrete.



placement of the sensor in a concrete form

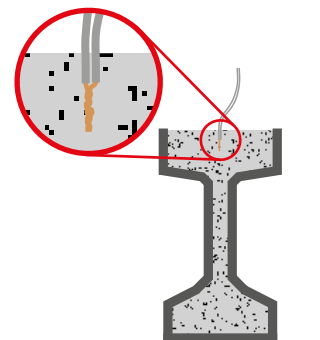


placement of the sensor in a hollow-core bed



THERMOCOUPLE TEMPERATURE SENSOR

- ▶ Measures internal concrete temperatures - usually required for structural concrete members.
- ▶ Two wires twisted together and inserted in the concrete surface.
- ▶ After curing, the cable is cut off. The remaining wires are ready to be re-used in another curing cycle.
- ▶ Inexpensive and durable.



Placement of the twisted cables in fresh concrete in a concrete form



WIRELESS SENSORS

For special requirements, all sensors can also be connected wirelessly to remote receivers.