

eGATE-THERMO-LORAWAN temperature transmitter
Measuring device for measuring the development of concrete casting strength

Highly accurate and reliable device for measuring the development of concrete strength in challenging conditions. In addition to the concrete temperature, the device can also measure the outdoor temperature / casting tent temperature.

MEASURING DEVICE DETAILS

Battery life:	At least 5 years
Transmission interval:	15 min
Operating temperature:	-30...60°C / -22...140°F
Storage temperature:	-30...60°C / -22...140°F
Measuring channels:	2 thermocouples K, 1 internal temperature
Sensor cable length:	<30 m (32 yd)
External dimensions:	130 x 90 x 40 mm / 5.12 x 3.54 x 1.57 in
Other:	The device has one push button that can be used to check whether the device is connected to the network and whether the sensors are connected.



The device has a temperature sensor inside, so in addition to concrete, the device can be used to measure, for example, the outside temperature.

Measurement accuracy (thermocouple K):	±1.5°C / ±59°F
Measurement accuracy (internal temperature):	±0.5°C / ±41°F
Outer dimensions:	130 x 90 x 40 mm / 5.12 x 3.54 x 1.57 in

RADIO TRANSMITTER DETAILS

Modulation:	LoRaWAN compatible
Frequency range:	868 MHz
Transmission power:	up to 25 mW
Range:	Digita's LoRaWAN network coverage, which can be expanded with local small base stations