



**eGATE-THERMO-LWEU-2TCK 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 (98 ft)
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):	±1.5C / ±2.7F
Measurement accuracy (internal temperature):	±0.5°C / ±0.9°F
Outer dimensions:	130 x 90 x 40 mm / 5.12 x 3.54 x 1.57 in
Weight:	0.275kg / 0.60 lbs



**RADIO TRANSMITTER DETAILS**

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