**Maturix® Smart Concrete® Sensor**

**Product Code: S-301G**

**DESCRIPTION**
Maturix® Smart Concrete® Sensors streamline thermal monitoring requirements and provide real-time strength validation based on concrete curing conditions. To do that, they automatically transmit live concrete temperature data to a user-friendly cloud-based platform, which then calculates concrete strength. It's a process that ensures real-time remote monitoring with an alert system, which reduces risk, increases efficiency, and improves quality — saving users significant time and money.

**FEATURES & BENEFITS**
- Real-time insight into the curing of concrete
- Reusable sensor keeps monitoring costs low
- Replaceable batteries with long battery life
- Cloud software for easy reporting and data export

**PROPERTIES**

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<th>Temperature Measurements</th>
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**Data Transmissions**
- Transmission Interval
  - Cable Connected: once every 15 mins. No Cable Connected: once every 6 hours.
  - Downlink: once every week
- Network
  - Sigfox; wireless signal range up to 3 km (1.86 mi)\(^2\)
- Radio Zones
  - RC1, RC2

**Use and Storage**
- Operating Temperature
  - -30 to 50°C (-22 to 122 °F)
- Operating Humidity
  - 0 to 100% RH

**Mechanic Specifications**
- Dimensions (L x W x H)
  - 148.3 x 113 x 50.7 mm (5.84 x 4.45 x 2 in)
- Weight
  - 560 g (19.75 oz)
- Materials
  - Body: ASA plastic (white). Protective edge: TPU elastomer (orange)
- Battery Type
  - 4 x AA, 1.5V alkaline/lithium or 1.2V rechargeable\(^4\)
- Socket Type
  - Miniature, type K, female

**Certifications**
- CE, Radio Equipment Directive (RED), RoHS

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\(^1\) Also dependent on the type K thermocouple used.
\(^2\) Depending on environment.
\(^3\) RC1 is Sigfox Ready certified with Class 0.
\(^4\) Alkaline batteries included.