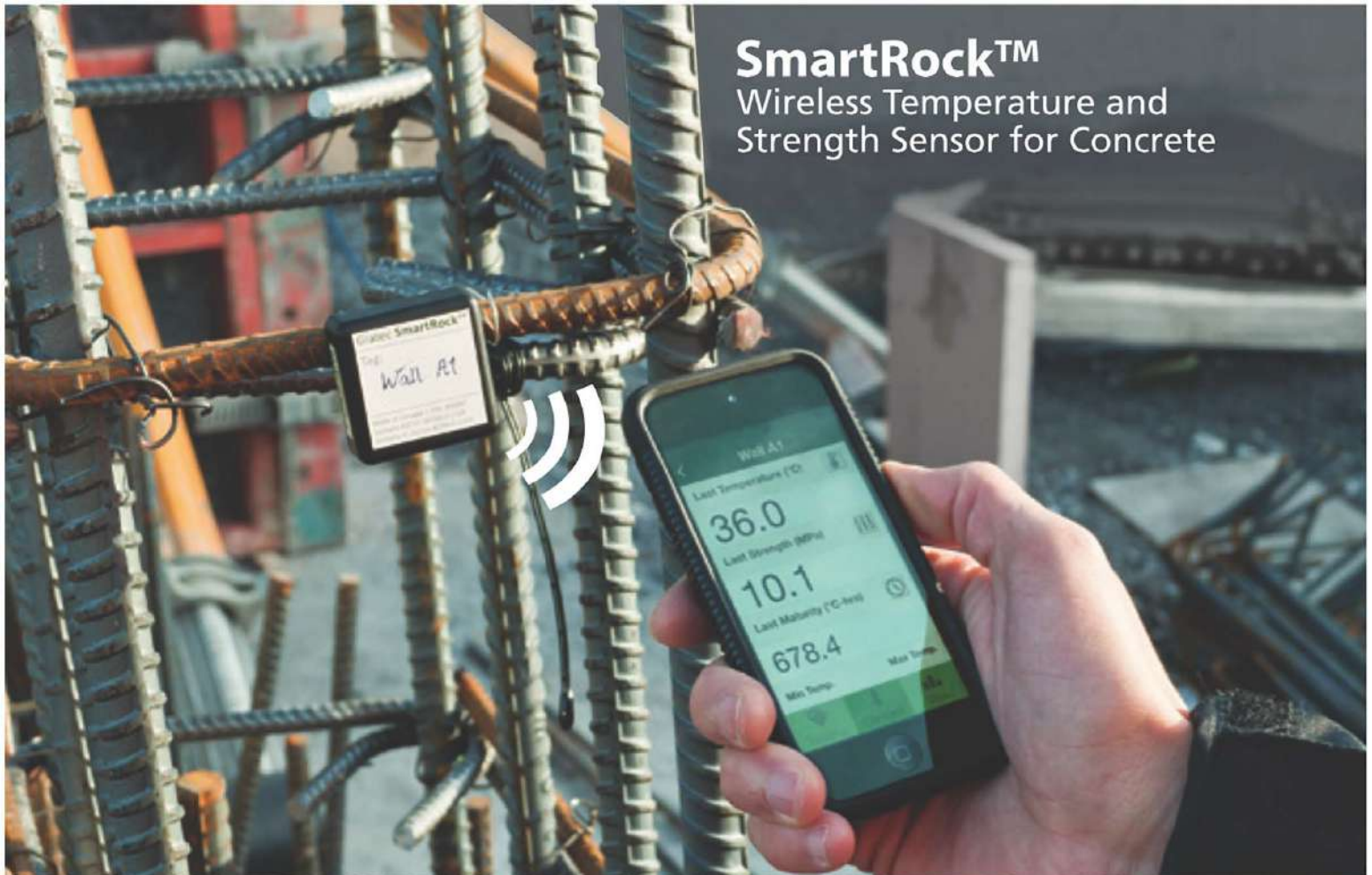


## HG-4040 SmartRock™ Wireless Maturity Meter



SmartRock™ is a rugged mobile-based wireless sensor for monitoring the temperature of concrete from fresh to hardened stage. It also estimates concrete strength based on the maturity concept. The SmartRock™ can be placed in the concrete formwork (installed on the rebar) before pouring to monitor the temperature of concrete in situ. The continuous measurements are recorded on the SmartRock™ memory and can be downloaded any time during the concrete setting and hardening onsite using the mobile application on a smartphone or tablet device.

### APPLICATIONS

**SmartRock™ can be used to monitor the temperature of fresh and hardened concrete. This can provide information on:**

- Hardening of concrete (formwork removal timing)
- Optimization of curing conditions
- Heating and cooling processes
- Quality control in the field
- Concrete maturity
- Estimation of strength (ASTM C1074)
- Concrete mix design optimization





## HOW TO USE SMARTROCK™ IN 3 EASY STEPS

### ① Install Sensor



### ② Pour Concrete



### ③ Read Sensor



### FEATURES

- Wireless Bluetooth technology
- Ruggedized and waterproof design
- Real-time data display (e.g. temperature, strength, max-min)
- Easy installation and activation by tying the wires together
- Extended temperature sensor cable for mass concrete
- Maturity calibration curve database
- Long battery life (about 4 months in room temperature)
- Android and iOS apps for smartphone and tablet
- Easy data sharing
- Patents pending

### TECHNICAL SPECIFICATIONS

|                       |   |
|-----------------------|---|
| Reading Range         | -30 ~ 80 °C<br>(-22 to +176 °F)             |
| Resolution            | ± 0.5 °C                                    |
| Wireless Signal Range | 6-8 meters in concrete*<br>(20-26 feet)     |
| Dimensions            | 38 x 38 x 12 mm<br>(1.5 x 1.5 x 0.5 inches) |

PROMAT (HK) Limited 寶時（香港）有限公司

☎ : 2661 2392 ☎ : 5196 8860 ✉ : info@promat.hk 🌐 : http://www.promat.hk

