



# SmartBox Resistivity Meter

Giatec Smart Box is a compact wireless device for the measurement and monitoring of electrical resistance and temperature in fresh concrete. Continuous measurements are recorded on the Smart Box and can be downloaded using the mobile application on Android smartphone/tablet.

## Application:

Smart Box can be used to monitor the electrical resistivity of fresh concrete. This can provide information for:

- Water concrete in fresh concrete
- Prediction of setting
- Setting time measurement
- Crack detection in concrete

## Features:

- Wireless technology
- Compact design
- Simultaneous measurement of electrical resistance and temperature
- Optimized frequency for fresh concrete
- Long battery life
- Mobile applications for Android smartphone/tablet
- Easy data sharing
- Patent pending



## Technical Specifications

### General:

Reading Range	Measurement Frequency	Accuracy	Measurement Time
1 – 3000 $\Omega$	10 kHz	$\pm 2\%$	<1 s

### Operating Condition:

Type	Value
Operating Temperature	-20 ~ 45 °C
Operating humidity	10 ~ 90%
Battery Charger Specification	Input:100-240Vac (50-60Hz)/Output:5Vd-c(500mA)
Dimensions of Smart Box™ unit	85 x 55 x 22 mm

