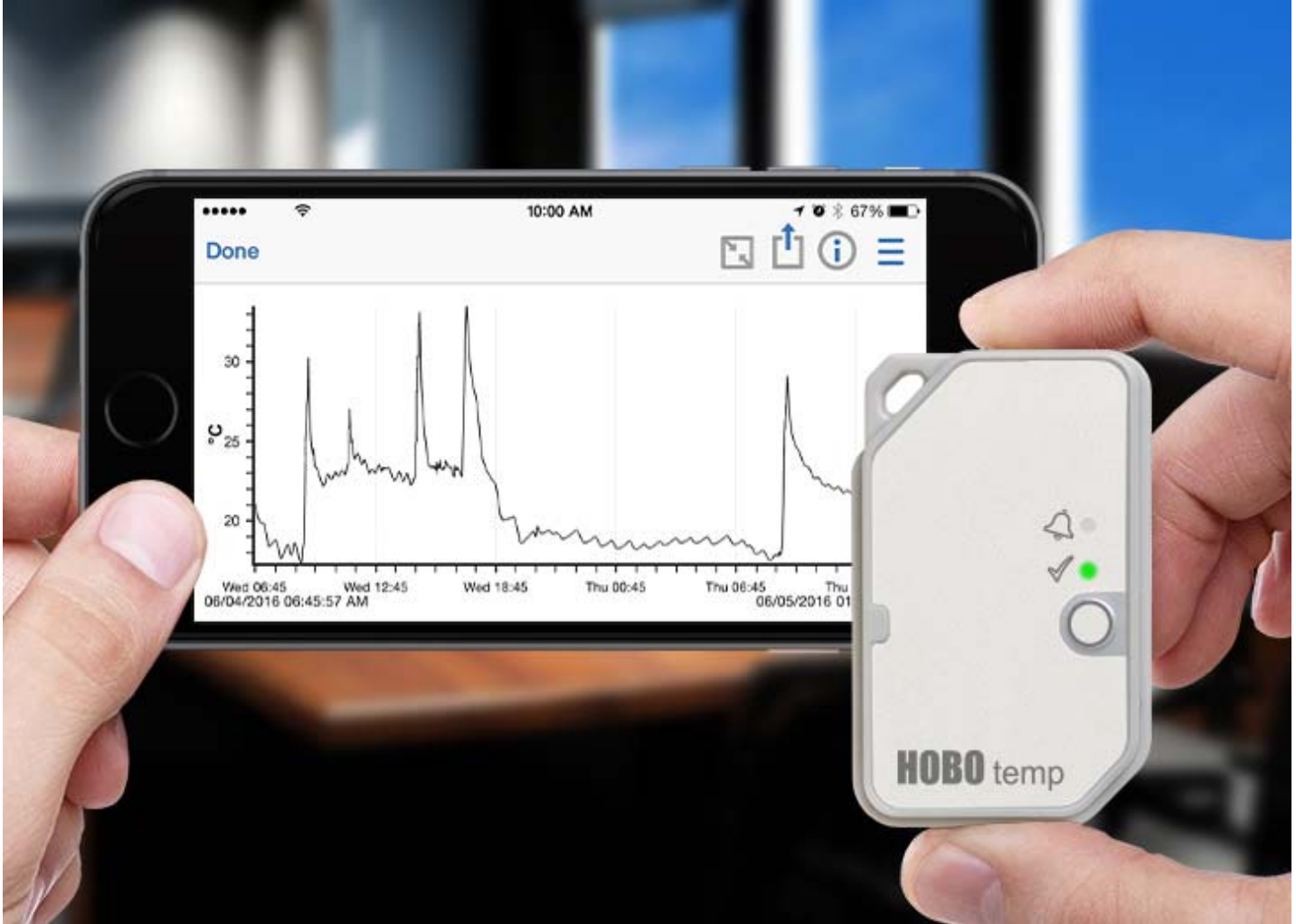**OneTemp** pty ltd
MEASURE | CONTROL | RECORD

MX100 — HOBOTEMP BLUETOOTH

Onset's HOBO MX100 is a low-cost, splash-proof data logger that measures and transmits temperature data wirelessly to mobile devices via Bluetooth Low Energy (BLE) technology.

ONSET AUTHORISED DISTRIBUTOR

Certified System
Quality
ISO 9001
SAI GLOBAL
ADELAIDE I MELBOURNE

The HOBO MX100 Temp logger measures temperature in indoor environments. With an IP67 environmental rating, the logger can be deployed in indoor locations where moisture may form. This Bluetooth® Low Energy-enabled logger is designed for wireless communication with a mobile device. Using the HOBOmobile® app, you can easily configure the logger, read it out, and view data on your phone or tablet, or automatically upload the data to HOBOlink® for further analysis. The logger has a built-in alarm you can configure to trip at thresholds you specify. Designed with a non-replaceable lithium battery, this logger also has a power-saving mode that allows you to use the Bluetooth signal only when needed to maximize battery life.

**HOBO MX100
Temp Logger**

Required Items:

- HOBOmobile app
- Device with iOS and Bluetooth

Specifications

Temperature Sensor

Range	-30° to 70°C (-22° to 158°F)
Accuracy	±1.0°C from -30° to -5°C (±1.8°F from -22° to 23°F) ±0.5°C from -5° to 50°C (±0.9°F from 23° to 122°F) ±1.0°C from 50° to 70°C (±1.8°F from 122° to 158°F)
Resolution	0.04°C (0.072°F)
Drift	<0.01°C (0.018°F) per year
Response Time	6 minutes typical to 90% in open air moving 1 m/s, unmounted

Logger

Logger Operating Range	-30° to 70°C (-22° to 158°F)
Radio Power	1 mW (0 dBm)
Transmission Range	Approximately 30.5 m (100 ft) line-of-sight
Wireless Data Standard	Bluetooth Low Energy (Bluetooth Smart)
Logging Rate	1 second to 18 hours
Time Accuracy	±1 minute per month at 25°C (77°F)
Battery	CR2450 3V lithium, not replaceable
Battery Life	1 year, typical with logging interval of 1 minute and Power Saving Mode disabled; 2 years, typical with logging interval of 1 minute and Power Saving Mode enabled. Faster logging intervals, remaining connected with the app, excessive downloads, and paging may impact battery life.
Memory	30,000 measurements
Full Memory Download Time	Approximately 30 seconds; may take longer the farther the device is from the logger
Dimensions	6.9 x 4.5 x 1.1 cm (2.71 x 1.76 x 0.42 inches)
Weight	25.5 g (0.90 oz)
Environmental Rating	IP67
CE	The CE Marking identifies this product as complying with all relevant directives in the European Union (EU).
FC ⚠	See last page

Passed RTCA DO160G, part 21H