DRINK SMART

BODY™
ARMOUR

CoreAlert 1.0

BACA1

Product Specifications

Body Size:
29.1mm (W) x 11.1mm (H) x 52.4mm (D)

Strap Size:
22mm (W)

Materials:
Body: ABS
Strap: Silicone (mesh)
Increase: Zinc alloy

Waterproof/Dustproof Rating:
IP67

Alarm Volume:
Approx. 70dB (tested at 20cm distance)

Charging Voltage:
5V

Working Current:
3 ~ 30mA

Sensors:
2 (Ambient Temperature & Skin Temperature)

Detection Interval:
Every 90 seconds

Power Function:
ON/OFF switch

Risk Detection Temperatures:

37.8°C – Core Body Temperature
42°C – Ambient Temperature

Battery:

• Up to 400 charge cycles
• 1 hour – Charging Time
• 180mAh Lithium Polymer Battery
• Under standard conditions—fully charged battery and 8 hours of daily use—the device can operate for up to 90 days.

Accessories:

USB Charging Cable

Live Monitoring: Accurately monitor core and ambient temperatures on the wearer down to +/- 0.1C.

Heatstroke Alarm: Alarm will sound when core body temperature exceeds threshold allowing user to mitigate the risk of heatstroke (≥37.8°C).

Temperature Alarm: Alarm will sound to indicate to wearer that the ambient temperature exceeds parameters for safe working conditions (≥42°C).

Breathable Design: Strap designed to allow for maximum airflow.

Water Resistant: IP67 rated to be dust-tight and waterproof up to 1m for no more than 30 mins.

Shock Resistant: Withstands an impact of up to 1.2m.

Long Lasting Battery: Battery life exceeds 60 days on a single charge.