



Petrics Smart Collar – PC-100



Description: The Petrics PC-100 Smart Pet collar is a multifunctional device; collects all pet activity is a connected scale, automatically identifying the pet to all other Petrics devices, like the scale, and the PC-100 has 3 other unique features;

1. The PC-100 collar can connect to our cell phone or the scale to get the pet data to the cloud.
2. The PC-100 has Bluetooth Beacon capability allowing the pet owner to “fence” their yard electronically and alarm on your phone when the pet is outside the e-fence. This is a distance setting in the Petrics App. The collar periodically measures the distance between you and the pet. Maximum distance is about 100m depending on conditions.
3. The PC-100 has a “FindMy” capability for iPhone users allowing you to locate your pet anywhere in the world. Android Firmware update in the works.

Features/Specifications

- Module Dimensions: 3.5mm x 7.5mm x 1.8mm.
- Waterproof, IP68
- Mounting – quick release for magnetic adapter charging
- Battery: Lipo battery 3.7v-400mA Ref:602035
- Battery-Backed I2C Real-Time Clock/Calendar with SRAM
- 6-axis, smart, low-power Inertial Measurement Unit for high-performance applications
- Integrated Charger IC Lithium Ion/Polymer
- Offline storage of pets activity. Up to 1 week of record then overwrites oldest data.
- Pet presence detection . Up to 100m
- Smart activity detection powered by AI model, Still, Walk’ Run, Jump, Other activities will be updated.
- 1 month of battery life (rechargeable)
- Compact and light design
- Compatible with Find My Apple Network

BT Module:

- Module Reference: BMD-340-A-R
- Utilized IC / Part: nRF52840
- RF Family/Standard: 802.15.4, Bluetooth
- Protocol: Bluetooth v5.0, Thread, Zigbee®
- Frequency: 2.36GHz ~ 2.5GHz



Petrics Smart Collar – PC-100

- Sensitivity: 96dBm

Certifications:

BLE FCC ID number: 2AA9B10Europe (ETSI RED); US (FCC/CFR 47 part 15 unlicensed modular transmitter approval);Canada (ISED RSS); Australia and New Zealand (RCM); Health and safety EN 62479, EN62368-1