



CharIoT Flow and 1 Pressure



The CharIoT is a future-proofed, low-cost, battery-powered IoT datalogger, which uses the latest low power technology and in challenging conditions battery life is in excess of 10 years.

The CharIoT is quick and easy to deploy. The device is configured by using the CharIoT's Android application and settings transferred to the device via Near Field Communications (NFC)

The CharIoT's data is securely transmitted via NB-IOT or LTE-M mobile networks into Aquaguard, CharIoT's online portal.

The Aquaguard dashboard help users identify issues quickly, associate units into a site, group or region and commit configuration changes remotely. Through the Aquaguard API, data can be pulled into third party systems.

The CharIoT is the ideal choice for a raft of applications.

Applications

- + Flow monitoring
- + Network modelling
- + Leak detection
- + Critical point monitoring

Specifications

Weight

400g

Power

3.6V 19Ah Lithium Battery

Battery Life

>10 Years (30 minute transmission, 15-minute logging)

Memory

250,000 records

Inputs

1 x Pulse – Forward, Reverse & Direction
1 x Internal Pressure Transducer

Schedule

1 second to 1 hour logging
5 minute to 24 hour transmission

Communication

NB-IoT & LTE-M
MQTT to server

Configuration

Android App
NFC – Near Field Communication

Environmental

IP68
-20°C to +70°C

Mounting

Flange

Connections

PG7 Gland with 1.5m flying lead
Other configurations available
1 x Standard Male Quickfit Port

Antenna

External – Standard
Internal – Optional

Software

Aquaguard – Web Portal
API

