



Wavetrend's Water Pulse smart device is designed to monitor and report flow in commercial water metering applications. The device offers a cost-effective and attractive alternative to traditional meter reading visits by providing reports over a service life of approximately 5 years. Reporting frequency can be configured together with flow/time thresholds that can be used to derive alerts (for example in the case of leaks), thus giving Utility providers the ability to more efficiently deploy resources.

WATER PULSE SMART DEVICE SD03



Key Features

Use with a wide range of reed sensors

Provision for 2 sensors

Flexible reporting rate

Real time clock with over-the-air synchronisation

Sigfox Class 0 radio performance

Long battery life

IP68 sealing

Benefits

Support for most available meters

Can be used to concurrently sample high and low flow in "twin" meters

Allows the most appropriate Sigfox message plan to be selected for the application

Ensures accurate message timing

Provides best chance of successful message reception

Long service life with minimal maintenance visits

Guarantees devices are fit-for-purpose in challenging installation environments



WATER PULSE SMART DEVICE SD03

Specifications

Environmental

Operating temperature	-20 to +60 °C
Relative humidity	95% non-condensing
Ingress protection	IP68

Physical

Size	280mm x 32mm diameter
Weight	150g
Colour	Grey
Material	WRAS approved ABS body

Power

Type	'A' size, primary lithium-thionyl chloride (Li-SOC12) battery
Specification	3.6V, 3600mAh
Compliance	Compliant with IEC 60086-4 safety & IEC 60079-11 intrinsic safety (class T3)
Transport	Non-restricted for transport, not assigned to Class 9 according to the UN recommendations on the transport of dangerous goods

Radio

Frequency	868MHz
Uplink class	Sigfox Class 0
Sigfox radio zone	RC1
Antenna	Integrated, 2.15dBi
EIRP	16dBm maximum, software configurable

Sensors

Reed sensors	Support for up to 2 customer supplied reed sensors
Cable sealing	IP68 cable gland

Certification (pending)

CE/radio equipment directive (RED) interface	RF exposure - EN 62479 Safety - EN/IEC 62368 EMC - ETSI EN 301 489-1/3 RF - ETSI EN 300 220-1/2
Ingress protection	Testing to IP68 standard
Network	Sigfox certification

To order or for further information



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