

IMPROVED OPERATIONAL EFFICIENCY AND PERFORMANCE
SUITABLE FOR VARIOUS APPLICATIONS
VERSATILE, FLEXIBLE, INTELLIGENT



Point Orange is an intelligent, compact logger/RTU, enabling users to manage assets securely and reliably in harsh locations. With its unique software configurable I/O functionality, Point Orange is the versatile choice for use with various sensor technologies to deliver optimised network performance and efficiency.

Point Orange helps utilities to accurately monitor and manage assets in remote locations, thereby optimising network performance and efficiency in harsh environments.

Point Orange offers real-time monitoring of up to 5 sensors, making it a versatile and flexible option for use in harsh and hazardous environments in remote locations. Furthermore, support for multiple protocols, allows for easy integration with third-party platforms and devices.

The device offers remote device management including firmware upgrade and device configuration, thereby delivering a cost-effective solution that minimises the need for additional visits that saves time and money.

The Point Orange design exploits mainstream technologies to ensure reliability and longevity. Utilising the latest low power technology, Point Orange is available in two variants, Point Orange IoT (supporting NB-IoT/ Cat-M1) and Point Orange 4G (with 3G/2G fallback). This ensures Point Orange has a long service life with significant reduction in Total Cost of Ownership.

Point Orange enables utilities to proactively manage pressure, level and flow in water and wastewater networks. In addition, the device is also perfectly suited for environmental applications, such as weather, rainfall, river, water quality and soil moisture monitoring.

BENEFITS



Optimised network performance and efficiency



Reliably manage assets in remote locations



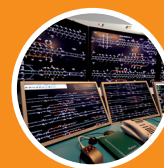
Versatile, for use with multiple applications



Improved level, flow, and water quality monitoring



Optimised environmental monitoring performance



Flexible protocols for easy integration with third-party platforms and devices

POINT ORANGE

Point⁸
orange



TECHNICAL SPECIFICATION

Analogue Inputs	Up to 4 channels Type: Active current, passive current, active voltage, passive voltage Current range: 0-20mA, Voltage range: 0-2V Active AI power supply (12V DC, 80mA per channel) Input impedance: 10.2kΩ Accuracy typically: $\pm 0.5\%$ (Max $\pm 2\%$) Absolute maximum ratings: $\pm 5\text{VDC}$ Resolution: 16-bits
Counter inputs	Up to 4 channels Volt free, Impedance: 50kΩ 32-bit counter support up to 100Hz
Digital inputs	Up to 5 channels Volt free, Impedance: 50kΩ
Power	Internal lithium battery pack Optional external battery pack DC power input (5-8V DC)
WAN Protocols	Both variants: Modbus, DNP3 (Level 2+ elements of level 3 and 4), WITS DNP3 v1.1 and v1.3, FTP
Serial Protocols	Modbus master (RS232, RS485 full and half duplex) (up to 10 sensors), SDI-12 master (up to 10 sensors) and Mainstream
Memory	256MB flash memory and 512kB static RAM
Comms	4G variant: Internal 4G modem (B1, B3, B7, B8, B20, B28A) with 3G (B1, B3, B8)/ 2G (B3, B8) fallback. IoT variant: Multi-band NB-IoT/LTE-M modem (Bands 1,2,3,5,8,12,18,19,20,26,28 and 39) Auto switching internal and external antenna
Local monitoring	Ambient temperature sensor ($\pm 1^\circ\text{C}$) Patented integrated submersion sensor Battery, loop, and external supply voltages ($\pm 2\%$) Automatic external power source detection and switching Antenna selection and performance
Remote management	Remote firmware upgrade and configuration
Dimensions	170mm . 110mm . 115mm (excluding mating cables). 0.6 Kg (fully assembled)
Environmental	Operating temperature -20°C to $+80^\circ\text{C}$ Relative Humidity up to 95% non-condensing Protection classification: IP68 4m for 4 days

Point Orange Sales flyer
April-25
Subject to change

FIND OUT MORE!

If you would like to monitor water levels and flow, get in touch to find out how **POINT ORANGE** can transform your network.



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