



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

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

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

Point Blue offers real-time monitoring of up to 5 sensors, making it a versatile and flexible option for use in wastewater and gas networks. 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 Blue design exploits mainstream technologies to ensure reliability and longevity. Utilising the latest low power technology, Point Blue is available in two variants, Point Blue IoT (supporting NB-IoT/ Cat-M1) and Point Blue 3G (supporting 3G with GPRS fallback). This ensures Point Blue has a long service life with significant reduction in Total Cost of Ownership.

Point Blue enables utilities to proactively manage level and flow in sewers, manholes and Combined Sewer Overflows (CSOs). In addition, the device is perfectly suited for gas monitoring applications.

BENEFITS



Optimised network performance and efficiency



Reliably manage assets in harsh locations



Versatile, for use with multiple applications



Safe and improved sewer, manhole and Combined Sewer Overflow (CSO) performance



Safe and optimised gas monitoring performance




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

POINT BLUE

TECHNICAL SPECIFICATION

Point
blue



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, 21 mA per channel) Input impedance: 10.2k Ω Accuracy typically: $\pm 0.5\%$ (Max $\pm 2\%$) Absolute maximum ratings: $\pm 5VDC$ Resolution: 16-bits
Counter inputs	Up to 4 channels Volt free, Impedance: 50k Ω 32-bit counter support up to 100Hz
Digital inputs	Up to 5 channels Volt free, Impedance: 50k Ω
Power	Internal or external LTC battery pack
Protocols	Modbus DNP3 (Level 2+ elements of level 3 and 4) WITS DNP3 v1.1 Modbus master (RS232, RS485 full and half duplex) (up to 10 sensors) SDI-12 master (up to 10 sensors)
Memory	3G variant: 4GB flash memory and 512kB static RAM. IoT variant: 256MB flash memory and 512kB static RAM
Comms	3G variant: Internal tri-band 3G modem (850, 900, 2100 MHz) with quad band GPRS fallback (850, 900, 1800, 1900 MHz). IoT variant: Multi-band NB-IoT/Cat-M1 modem (Bands 1,2,3,4,5,8,12,13,18,19,20,26 and 28) Auto switching internal and external antenna
Local monitoring	Ambient temperature sensor ($\pm 1^\circ C$) Integrated submersion sensor Battery, loop, and external supply voltages ($\pm 2\%$) Antenna selection and performance
Remote management	Remote firmware upgrade and configuration
Dimensions	156mm \times 110mm \times 112mm (excluding mating cables). 0.6 Kg (fully assembled)
Environmental	Operating temperature $-20^\circ C$ to $+50^\circ C$ Relative Humidity up to 95% non-condensing Protection classification: IP68 4m for 4 days
Certification	 II 1G Ex ia IIB T4 Ga ($-20^\circ C \leq Ta \leq +50^\circ C$) Atex: Baseefa15ATEX0045X IECEx: BAS 15.0027X

FIND OUT MORE!

If you would like to monitor wastewater levels, get in touch to find out how **POINT BLUE** can transform your network.



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