PUMPED KIOSK Telemetered Outstation

The SOCOTEC AquaHawk Pro DuoPump is an advanced remote pumped kiosk outstation for water quality monitoring that has been specifically designed for Section 82 monitoring.

Developed through collaboration between SOCOTEC's experienced engineers and pump specialists with over 30 years of industry expertise, the AquaHawk Pro DuoPump combines vacuum and peristaltic pump technologies to deliver both operational efficiency and superior data quality. This system is ideal for Section 82 water quality monitoring in rivers, final effluent monitoring in Treatment Works and industrial discharge points.

KEY FEATURES & BENEFITS

› Innovative Dual Pump System: Combines vacuum pump for power sample hose filling/ purging and peristaltic pump for gentle sample handling
› Data Quality: The DuoPump preserves sample integrity for sonde analysis, ensuring measurements accurately reflect actual water conditions
› Real-time Data: Sends near real-time water quality data to secure data platform or API data to third party platforms
› Fully Configurable: Adaptable across various monitoring scenarios and site conditions
› Versatile Installation: Can be used in sites with all flow conditions, including on flood plains due to its elevated legs

DUAL PUMP TECHNOLOGY

› Vacuum Pump Phase: Efficiently fills/ purges the sample line and draws water from the source using minimal power
› Peristaltic Pump Phase: Takes over from the vacuum pump once the sample hose is full due to its gentler action to preserve sample integrity for sonde analysis
› Peristaltic Flow Rate: Up to 5l/min
› Head Type: 2 Roller peristaltic
› Control: Automatic forward/reverse operation with variable power control

WHY CHOOSE SOCOTEC?

SOCOTEC UK is a network of industry-leading experts who empower ambitious businesses at every stage of the asset lifecycle.

CONTACT US
salesuk@socotec.co.uk
0845 603 2112

TECHNICAL SPECIFICATIONS

Power System
› Operating Voltage: 12V DC, 240V or 110V AC
› Charge: Solar panel, Mains (240/110V AC)
› Batteries: Up to 280aH Lithium (Li-Po)

Enclosure
› Material: 1.5mm Stainless Steel Enclosure
› Solar Panel: Optional integrated solar panel or standalone
› Dimensions: 900x650x330mm HxWxD
› Ventilation: Vented

Monitoring & Control
› Microprocessor Control: Pump cycle, measurement intervals, data logging, battery control, data transmission & security

Connectivity
› Protocols: MQTT, API, HTTPS, FTP
› Networks: NB-IoT, CAT-M1, 4G, 2G and GPRS

Security
› Lock: 1 x YALE Type & 2 x Tri Locks
› Alarms: Door and tilt alarm with GPS tracking system
› Flood Protection: Kiosk Early Warning Flood Alarm

Additional Features
› Plinth Options: Kiosk can be ground mounted or raised
› Small Footprint: Easy to install
› Colour Options: Various kiosk colour options available

The SOCOTEC AquaHawk Pro DuoPump exemplifies how innovation in monitoring technology can advance beyond merely satisfying requirements to actually improving the quality and reliability of environmental data collection, ultimately supporting better environmental management and protection.

AQUAHAWK pro

Quality data, collected safely and without compromise

www.socotec.co.uk