ASHRIDGE®

Hydroguard®
Trunk Main Monitoring System

THE HYDROGUARD® IS A COST EFFECTIVE, BATTERY OPERATED SYSTEM PROVIDING CONTINUOUS TRUNK MAIN MONITORING.

TRI-PARAMETER; FLOW, PRESSURE AND NOISE BURST DETECTION AND LOCATION SYSTEM WITH FAST NOTIFICATION BY SMS OR GPRS.

CAPTURED DATA MAY BE USED TO DETERMINE LEAKS AND BURSTS.

APPLICATIONS

Burst Detection	Network Monitoring	Flow Rate Surveying	Anomaly Alerting

SEE MORE INFORMATION OVERLEAF...

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SPECIFICATION

Power	2 x Lithium battery (3.6V 13Ah) >3 years life under typical usage External Power Input (4-5.5V @ 2A Max)
Memory	4MB Non-Volatile
Inputs	1 Internal Pressure (0.25%) 1 Bi-directional Pulse 1 Event Input (Flow Meter Error) 1 Noise Accelerometer
Connectors	4 Souriau 1 Standard Quickfit Male Port
Modem	2G (850/900/1800/1900) SMS/GPRS/GSM
Communications	SMS/GPRS to server Remote firmware upgrades and configuration USB to infra-red – configuration and download
Alarms	Multiple High/Low – Threshold, Profile and Deviation Combinations Alarms
Clock	Real time clock with leap year adjustment Synchronisation to GPS time on install
Schedules	Sample rate – 30 seconds to 15 minutes Transmission – 5 minutes to 24 hours
Environmental	IP68 -20°C to 70°C 195mm x 170mm Diameter (Hydroguard® unit) Material – GF PBT/Stainless Steel/Acetal
Weight	1.6kg (Hydroguard® unit)
Supported Pipe Materials	All types of cast iron; Steel; Concrete; MDPE and PVC
Known Compatible Flowmeters	ABB AquaProbe with AquaMaster3 Hydreka HydrINS
Additional Details	Typical 500-700 metre spacing between units Compatible with all types of Cast Iron; Steel; Concrete; MDPE and PVC pipes Fitting - 1" BSP gate valve
Software	Hydroguard® Configuration Software SmartChart Web – Data Viewing Portal
Approvals	Hydroguard® is included on the Enhanced Capital Allowance (ECA) Scheme's Water Technology List

FEATURES

- Battery powered, long life
- Mitigation of trunk events
- Learns trunk profile automatically
- Noise deviation alerts for early warning for proactive maintenance
- Combination alarms
- Simple installation with onsite diagnostic LEDs
- SMS and Email alerts to multiple recipients

ORDERING CODE

					A
	HYDR	–			X
Standard					3BK
Example					
HYDR-3BK		Hydroguard®			

ACCESSORIES

Part Number	Description
SmartChart® Pro	Graphical Data Display and Web Portal
FEA221***	ABB Aquaprobe (various lengths) with AquaMaster3
SI_HYDA2P-***	Hydreka HydrINS2 (various lengths) flowmeter
AD24	External Battery Pack, 1.5m Cable
HYDR-02-0009-01	Hydroguard® to ABB Aquamaster Cable, 0.5m
L800-06-0006	Infra-Red Download with USB Lead
ANT-GPSGSM-*M-01	External GPS/GSM Antenna, various cable lengths (*M)