CLEAN WATER

Pressure Transient

Specialised Telemetry Data Logger

Key Features

- ✓ 3G option available
- ✓ Fast logging capability – up to 100 times per second, ideal for transient monitoring changes
- ✓ GPRS transmission of data
- ✓ EWS – Event Window Selection to select data around transient for transmission
- ✓ Flash memory 4GB – 130 weeks at 25/second
- ✓ Completely submersible (IP68)
- ✓ External battery packs to support accelerated logging & dial-in regimes
- ✓ Long Life
- ✓ Specialist software supplied to enable detailed analysis.

CLEAN WATER

Accelerated logging

Fast logging to identify and address pressure transients in the distribution network has become accepted practice. However, due to the large volumes of data involved to date this has been a survey and manual download operation.

With advances in GPRS communication and innovative 'event window selection' (EWS) the operator can now send transient alarm information and a selectable window of fast logged data before and after the event, or for set time based windows.
Network transient logging is no longer a purely survey operation but can now be part of permanent network monitoring as for standard flow and pressure logging. Transients are immediately identified so remedial action can be taken avoiding burst and infrastructure damage.

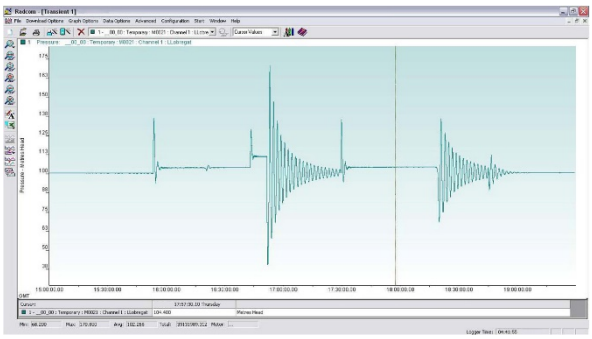
Versatile

Flow and pressure channels can be added to log other network parameters (Enhanced Network Logging), for comprehensive transient and general network monitoring. Sampling can be operator selected through a wide range of options to 100 samples per second. The full range of HWM external battery packs can be connected to power accelerated dial in regimes and extended periods of maximum sample rate. These can simply be exchanged on site as required.

Robust and Upgraded

Flow and pressure channels can be added to log other network parameters (Enhanced Network Logging), for comprehensive transient and general network monitoring. Sampling can be operator selected through a wide range of options to 100 samples per second. The full range of HWM external battery packs can be connected to power accelerated dial in regimes and extended periods of maximum sample rate. These can simply be exchanged on site as required.

Remote Programming and Firmware Upgrade.



HWM-Water Ltd
Ty Coch House, Llantarnam Park Way
Cwmbran, NP44 3AW

Tel: +44 (0) 1633 489 479
Fax: +44 (0) 1633 877857
Email: sales@hwm-water.com

www.hwm-water.com

Sensor Input	Analogue	External Pressure Transducer. Supplied with quick fit connector. 0-30 bar, accuracy ±0.1%
Logging Features	Memory	4 GB internal flash memory enables up to 2 billion readings.
	Frequency	Standard data logging – 1 sample per second to 1 sample per day. Fast logging – 1 to 100 samples per second.
	Alarms	Minimum or maximum duration-triggered threshold alarm per channel. 16 Alarms per logger. Each alarm out comment field 16 characters User definable threshold transient alarm. User selected window of data around transient transmitted with alarm
	Logger ID	Up to 8 alphanumeric characters
	Clock	On board 24 hour real time clock with date facility. Automatically synchronized with the network.
Communications	Internal Cellular modem	GPRS to HWM Datagate or customer's own server, multiple connections per day
		Quad band GPRS modem supplying 850/900/1800/1900MHz bands
		GPRS can send data down to every 5 mins, with appropriate external power source (eg battery pack)
		3G Compatible modem supporting 850 900 AWS 1700,1900,2100
	USB	USB 2.0 connection by MIL connector for connection to PC or Tablet.
Physical	Dimensions	195H x 120W x 70D mm (7.7"H x 4.7"W x 2.8"D)
	Construction	Die-cast aluminium enclosure, powdercoat spray painted
	Weight	1.6 Kg (3.5 lb)
	Operating Temp	-20 to +70°C (-5 to +160°F)
	Ingress protection	IP68
	Power	Lithium-Thionyl Chloride cell operational for 1 to 5 years depending on usage External power input (+12V or HWM battery box). Battery boxes to support more frequent dial-in and long term accelerated logging

HWM-Water Ltd
Ty Coch House, Llantarnam Park Way
Cwmbran, NP44 3AW

Tel: +44 (0) 1633 489 479
Fax: +44 (0) 1633 877857
Email: sales@hwm-water.com

Issued: May 2016
www.hwm-water.com