



Established 1968



Hydrological Services Pty Ltd

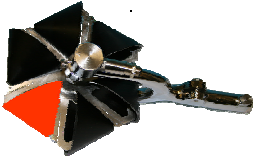


# NEWSLETTER- CHRISTMAS 2008 EDITION

Volume 1, Issue 1

## Coming Soon

### The Red Back Current Meter



- Interchangeable bucket system
- High Accuracy

### Advanced Bubbler System



- 2 litre Receiver Tank with manual purge valve
- Desiccant free 2-stage air-dryer
- WL3100/WL3100A as an option

### Hustler



- Pulse input
- FTP the data to a web server
- Operation via GSM (mobile phone) network using GPRS
- ability to use a mobile phone (SMS message) to retrieve status and parameters
- Logging option available soon

## New Gas Chamber Orifice

The GCO1 permits the use of extremely low bubble rates with increased accuracy and near total reduction of lag between actual level rise and orifice pressure.

The main GCO1 chamber is constructed entirely of polyethylene with a copper coated brass screen to deter aquatic growth, and is supplied fitted with a 2" barrel union to suit a standard 2" threaded pipe. The GCO1 has an in-built 1/4 inch NPT hex brass coupling and is supplied with 1/4 inch NPT male to 3/8 or 1/4 inch tube to suit customer requirements in relation to orifice line.



GAS CHAMBER ORIFICE  
MODEL GCO1-P

### Advantages of the GCO1-P

- Single piece, high impact resistant, heavy wall polyethylene
- Easy to remove and clean screen
- Non-corrosive
- Reliable, low cost option
- Low visibility colour

## iRIS 350 Wireless (IP Capable) Datalogger

The iRIS 350 has been designed and constructed for use in harsh outdoor and industrial environments. It is compact, cost effective and easily configured, with support for a wide range of instrumentation:

### There are four physical communication interfaces:

- RS232
- GSM/GPRS or HSDPA (Next G<sup>+</sup>) or CDMA-1X modem
- SDI-12 Serial Instrumentation
- Serial Camera

### Data may be accessed / downloaded in several ways:

- Direct RS232 connection e.g. laptop or data radio
- IP based packet transfer
- CSD dial-up data link
- SMS text back (immediate values only)
- Voice annunciation (iRIS 350V only)



Model iRIS 350



48-50 Scrivener Street  
Liverpool, NSW, 2170, Australia

Ph. 61 2 9601 2022  
Fax. 61 2 9602 6971

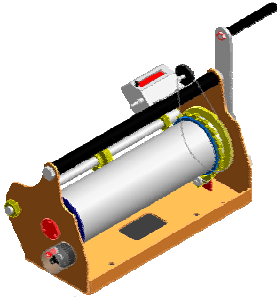
Web: [www.hydrologicalservices.com](http://www.hydrologicalservices.com)  
Email: [sales@hydrologicalservices.com](mailto:sales@hydrologicalservices.com)



Established 1968

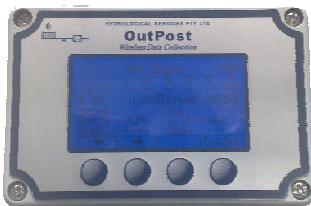
## Coming Soon

### The WS400 Winch



- Portable gauging winch from boat or bridge
- 40 metres of cable
- Metric or Imperial

### OUTPOST Model WDC100



- Up to 8 Transmitters
- 1 Receiver
- Each Transmitter has
  - (9) Data variables on SDI-12
  - (1) Digital input
  - (1) 4-20 mA input
  - Battery Voltage
- The Receiver has
  - (1) Digital input
  - (1) 4-20 mA input
  - LCD Display
- 1 Km range
- Frequency 900 MHz

## iRIS 150 Compact Multi-Parameter Datalogger

The iRIS 150 has been designed and constructed for portable, outdoor use. It is distinguished by being water-proof, self-powered and compact, yet still featuring an LCD display and keypad. It can be connected to a wide variety of sensors, and features two analogue (0-5V, 0-20mA) inputs, two digital inputs, limited SDI-12 serial instrument support and a single digital output for alarm or control purposes.



Model iRIS 150

## iCE3 - Wireless Data Circuit Extender (IP Capable)

The iCE<sup>3</sup> has been designed and constructed as a compact, intelligent unit to access legacy RS232 equipment through a wireless IP network. It can manage either a permanent link (on private/static networks) or a scheduled connection regime (on public/dynamic networks).

Two iCE<sup>3</sup> variants are available, one for the international GSM market and also one for the Australian Telstra Next G<sup>®</sup> network using HSDPA. There are two physical communications interfaces:

- RS232 (DCE configuration)
- GSM / GPRS modem or HSDPA (Telstra Next G<sup>®</sup>) modem



Model iCE<sup>3</sup>

## Ground Feeler Device (GFD)

The Ground Feeler Device is a spring loaded sensor. The unit is used in conjunction with the Hornet Plus and a Columbus pattern gauging weight.

- The GFD spring is loaded when Columbus weight is attached
- The GFD spring is released when Columbus weight touches the streambed
- When the GFD spring is in the release position a continuous 'Beep' signal is transmitted to the operator remote control



Model GFD

## Latest News

**Hydrological Services Pty Ltd is proud to announce its appointment as the official distributor for iQUEST (NZ) Ltd products and services in the following territories :**

- Australia, Asia, Africa and Europe

**For sales enquiries:**

please contact Mr. Mike Lysaght

**For technical enquiries:**

Please contact Mr. Fadi Gemayel