



Dataloggers

P R O C E S S L O G G I N G

Typical Applications

- Pressure
- PH/conductivity
- Gas monitoring
- Flow/level
- Quality control
- HVAC investigation
- Research

Options & Accessories

- Weatherproof version
- OEM options
- Custom connecting cables
- Traceable calibration
- Mounting/security brackets

The i-bug and v-bug are palm sized standalone dataloggers that record current and voltage signals from industry-standard transducers, transmitters and sensors. Each unit is available as a two-channel device for logging dc voltage or 4-20mA current loop signals. The inputs of each logger are over voltage and reverse polarity protected. The i-bug has 51R1 0.1% 10ppm precision shunt resistance.

The i-bug and v-bug loggers are simple to use and configure, just connect to the two signals wires from your transmitter, transducer or sensing device to the logger's easy to use input connectors. The process readings are stored as raw readings. Scaling is done at the PC, data can be re-scaled as necessary.

The Hanlog PC software will convert the recorded results into familiar

engineering units for display, analysis and presentation. Clear and concise graphical and tabular representations of the data can then be created plus overlay graphs from different loggers and a display of data in real time. Data from multiple loggers can be grouped and exported as a single file for use in other applications.

Both the i-bug and v-bug are ideal for interfacing to any equipment supplied with dc voltage or 4-20mA current loop outputs.

Hanwell loggers have full specification RS232 comms. at 19200 Baud, while most other loggers provide only marginal levels at a much lower Baud rate. The impressive result is an entire memory download in less than 15 seconds.

Specification

(Accuracy quoted is combined instrument and sensor)

Hanwell Instruments Limited - ISO9001:2000 certified

<i>i-bug</i>		<i>v-bug</i>	
Dimensions	67mm x 67mm x 27mm	Dimensions	67mm x 67mm x 27mm
Weight	65 grams	Weight	65 grams
Power supply	3.6 volt lithium battery	Power supply	3.6 volt lithium battery
Battery life	Up to 5 years (depending on use)	Battery life	Up to 5 years (depending on use)
Converter	10 bit	Converter	10 bit
Range	0-24mA	Range	0-1.2V low range, 0-12V high range
Accuracy	+/- 0.03mA	Accuracy	+/- 2mV low range, +/- 20mV high range,
Resolution	+/- 0.024	Resolution	1.2mV low range, 12mV high range
Logging intervals	Programmable from 4 seconds to 18 hours	Logging intervals	Programmable from 4 seconds to 18 hours
Memory	16k EEPROM	Memory	16k EEPROM
Record capacity	16368 records	Record capacity	16368 records
Delayed start	Yes	Delayed start	Yes



- DATALOGGERS
- CONTROL PRODUCTS
- TEMPERATURE
- RADIOLOGGERS
- HUMIDIFIERS/DEHUMIDIFIERS
- RADIO TELEMETRY