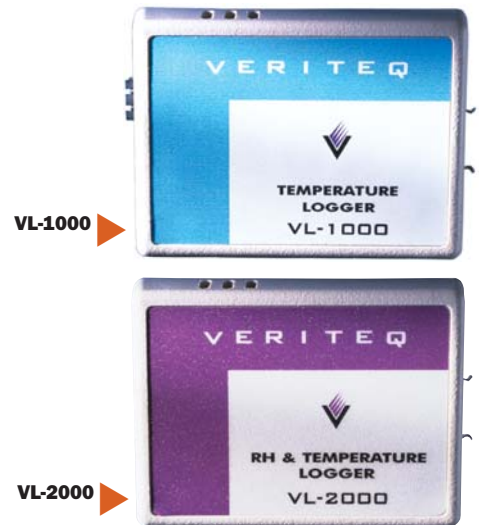


NEW Veriteq Validatable Data Logging System

- Precision Validatable Data Logger and Software System for Critical Pharmaceutical Applications
- High-accuracy Digital Recording of Time-based Temperature and Relative Humidity
- Time-saving System Requires No Wiring, Paper Chart Replacement, Special Probes, or Lengthy Setup
- High Stability Sensors, and No Wiring Errors, Eliminate the Need for Costly Pre-cal and Post-cal Checks
- Prints Validatable Reports for 24 hr Tests, or any Time-period
- Tamper-proof Datalogger Units and Password-protected and Encrypted Electronic Records Ensure Integrity of Collected Data
- Meets FDA Requirements for 21 CFR Part 11
- Battery-Powered Datalogger Units with 10-year Life Offer Quick and Flexible Deployment



Veriteq's VL-series palm-sized precision humidity and temperature datalogging system provides a complete monitoring, recording and reporting solution for use in FDA / GMP pharmaceutical environments. Designed for demanding validation applications, the system is a powerful and easy-to-deploy alternative to thermocouple-based equipment, chart recorders, and hard-wired data acquisition systems. Completely tamper-proof, password-protected and secure, Veriteq VL-series data loggers and Veriteq vLog Software produce traceable high-accuracy documentation that meets the electronic record requirements of 21 CFR Part 11. The Veriteq VL-series datalogging system is comprised of one or more VL-series validatable dataloggers and the Veriteq vLog Datalogger Software package. VL-series dataloggers include the VL-1000 Temperature Logger and the VL-2000 Relative Humidity and Temperature Logger.

VL-1000 Precision Temperature Logger

- +/- 0.15° C. Accuracy
- 0.05°C. Measurement Precision
- Tamper-proof
- Ten-year Battery
- On-board Temperature Sensor
- Optional Remote Temperature Probe
- -40 to 85° C. Operating Range
- Palm-sized: 2.8" x 2.1" x 0.7"
- 21,500 Reading Non-volatile Memory

vLog Software

- Easy-to-use Windows Data Logger Interface, Graphing and Reporting Software for FDA-regulated Environments
- Encrypted Password-Protected Electronic Records Meet 21 CFR Part 11 Requirements
- Tamper proof files to ensure integrity of electronic records
- Detailed graphical, tabular and statistical analysis
- Fast and reliable serial or USB port communications
- Exports data to spreadsheet or database programs

VL-2000 Precision Humidity & Temperature Logger

- Completely Self-contained
- Tamper-proof
- On-board RH & Temperature Sensors
- +/- 2% RH Accuracy
- 0.05% RH Measurement Precision
- 0 to 95% RH Range
- Ten-year battery
- -40 to 85° C. Operating Range
- Palm-sized: 2.8" x 2.1" x 0.7"

Veriteq vLog Software is a powerful yet easy-to-use Windows-based software package for configuring, downloading, displaying, analyzing and reporting information from any Veriteq VL or Spectrum series data loggers.

Ordering Information

Order #	Mfg #	Description	Price
MPVL-1000	VL-1000	One Channel Validatable temperature Datalogger	
MPVL-1000-2X	VL-1000-2X	Two External Temperature Channels	
MPVL-1000-LT	VL-1000-LT	One Internal, One External Temperature Channels	
MPVL-2000	VL-2000	Validatable Humidity/Temperature Datalogger	
MPVL-2000-LRH	VL-2000-LRH	Validatable Low RH/Temperature Datalogger (0-10% RH)	
MPPC-VL-IC	PC-VL-IC	vLog Software & PC Interface for VL Series Dataloggers	
MPEPT-010	EPT-010	Thermister Probe for 1000 Series Loggers (8 in. Tip)	

NEW Hanwell Wireless Radio Loggers System

- Validated Software to Meet FDA Requirements
- License Registration
- Wide Range of Process Signal Inputs Including RH/Temp and 4-20 mADC
- Broadcast Range Up to 5 Miles Line of Sight
- Controller Accepts up to 256 Individual Transmitters
- Battery Back up Controller

The Hanwell RadioLog system allows their proven technology of radio telemetry sensors to gather remote locations. No more need for installing long runs of conduit and wire. Simply install the sensors where they are needed. Signals are then send via radio telemetry to the base station, which stores the data in case of a power failure. In addition, the highly flexible RadioLog software can quickly be adapted to provide the data you need in the engineering units of your choice. Plug in software components complement the hardware components to give complete customization of a system.



Transmitter Specifications

Dimensions	110 x 67 x 23mm (4.3 x 2.6 x 0.9in.)
Weight	65 grams (0.17 lbs)
Power supply	9 volt PP3 battery
Channels	2 Analog, 1 Digital
Radio frequency	457.6 MHz (standard)
Power	100 mW
Range	5 miles over open ground
Transmit rate	Once every 4 seconds to 3 minutes

Optional Transmitter Sensors

Humidity Sensor	
Range	0-100% non condensing (-20 to 80°C)
Sensor	Vaisala capacitive polymer
Accuracy	+/- 2% standard
Thermistor Temperature Sensor	
Sensor	Precision Thermistor
Range	40°C to +150°C
Accuracy	+/- 0.1°C (-25 to +80°C)
Thermocouple Temperature Sensor	
Sensor	K,T,J and N
Range	-50C to +250C

Controller Specifications

Dimensions	204x156x 68mm (8.1 x 6.2 x 2.7 in.)
Weight	1000 gr (2.2 lb)
Case material	Powder coated extruded Aluminium
Power supply	12 volt
Radio frequency	457.6 MHz
Display	1 x 16 line alpha-numeric
Environmental rating	IP54 internal use

Receiver Specifications

Dimensions	190 x75 x50mm (7.5 x 2.9 x 1.9 in)
Weight	300 gr (0.66 lb.)
Case material	Powder coated Pressed Steel
Cable length	1 meter

For complete ordering information see following page.

NEW Hanwell Wireless Radio Loggers System - continued

Receivers Ordering Information

Order #	Description	Price
MPRLSC-01-HP-P6	Receiver/Controller, Datalogging and Storage	
MPRLSC-02-HP-P6	Receiver PC Interface and Storage	
MPRLSC-03-HP-P6	Receiver PC Interface and Storage, Four 8 bit Analog Outputs	
MPRLSC-04-HP-P6	Radio Receiver, Four 8 bit Analog Outputs, No PC Interface	
MPRLSC-05-HP-P6	PC radio receiver, Eight 12 bit Analog Outputs, No PC Interface	
MPSR1-HP-P6	SmartReceiver, Data to Ethernet	

Repeater Ordering Information

Order #	Description	Price
MPRLREP-TXHP-RXHP-P6	Repeater, 10 plus miles LOS Range, AC powered.	

Transmitters Ordering Information

Order #	Description	Price
MPRL2000- A - B -HP-P1	Transmitter One or Two Channel Input	

Select Maximum of two inputs from Table 1

Table 1	
00	Second channel not required
01	Thermistor
02	PT 100 2 wire RTD
03	PT 100 3 wire RTD
04	PT 100 4 wire, RTD
05	PT 1000 2 wire, RTD
06	Relative humidity
07	Combined RH/thermistor
08	Type K thermocouple
09	Type T thermocouple
10	Type J thermocouple
11	Type N thermocouple
12	Analog input, 4mA to 20mA
13	Analog input, 0 to 1 volts
14	Analog input, 0 to 5 volts
15	Analog input, 0 to 10 volts
16	Digital input
17	Pulse input
18	Type R thermocouple
19	Pressure, 0 to 2.5 kPa Differential Pressure
20	Wind speed and direction monitor
21	WBGT heat stress monitor
22	Black bulb temperature
23	Lux temperature and humidity
24	Lux

Note: Sensors Sold Separately

Sensors Ordering Information

Order #	Description	Price
MPY300	Short thermistor probe, Lemo plug	
MPY301	Short PT100 4 wire probe, Lemo plug	
MPY306	Surface probe with Lemo plug	
MPY404	Humidity probe with Vaisala sensor	
MPY405	Combined thermistor and humidity, Lemo Plug	
MPY412	Humidity probe, Lemo plug	
MPY413	Temperature and humidity probes, Lemo plug	
MPY4077	Type K, 2 meters PTFE cable, -100C to +600C*	
MPY4087	Type K exposed junction, 1 meter PTFE cable. e -50C to +250C*	
MPY4097	Type T exposed junction, 1 meter PTFE cable, -50C to +250C*	
MPY4107	Type J exposed junction, 1 meter PTFE cable, -50C to +250C*	
MPY4117	Type N exposed junction, 1 meter PTFE cable, -50C to +250C*	

Optional Validated Software Ordering Information

Order #	Description	Price
MPW811	CFR 21 Part 11 Validated Software including documentation	



RLSC-010HP-P6



RL2000-01-06-HP-P1

(Shown with Y300 & Y42 Sensors, sensors need to be ordered separately)

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Recorders and Data Acquisition