

## **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 mA DC
- 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 sent 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

<b>Humidity Sensor</b>	
Range	0-100% non condensing (-20 to 80°C)
Sensor	Vaisala capacitive polymer
Accuracy	+/- 2% standard
<b>Thermistor Temperature Sensor</b>	
Sensor	Precision Thermistor
Range	40°C to +150°C
Accuracy	+/- 0.1°C (-25 to +80°C)
<b>Thermocouple Temperature Sensor</b>	
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- <b>A</b> - <b>B</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

## **NEW** Oakton Instruments Dataloggers and Wireless Data Transmission System

- Memorize and Store up to 16,000 Readings
- View Current Readings and Recall Minimum and Maximum Readings Right on the Logger
- Connects to Computer or use Wireless Transmitter System for Remote Data Collection
- Accepts External sensors
- Transmits up to 300 Meters (75 Meters Indoors)
- Wireless System Supports up to 200 Dataloggers
- No FCC License Required for Wireless System

**The Oakton Datalogging System** records temperature and relative humidity and gives you the option of how you want to get your data back to your computer. Using simple TempLog or RH/TempLog dataloggs you can retrieve your data manually from individual datalogger, or install either of them into individual wireless cradles and send the data to a wireless receiver that plugs directly into your PC. You will then be able to receive data from up to 200 different TempLogger or RH/TempLogger from up to 300 meters away, and never have to do a thing except review the data.

### System Components Required:

**Simple Datalogging System:** Datalogger (WD-35710-00 or WD-35710-10 ), software (WD-35710-50 ) and optional external sensors if required.

**Wireless Datalogging System:** Datalogger (WD-35710-00 or WD-35710-10 ), Wireless cradle transmitter (WD-35710-20), Wireless receiver kit with MicroLab Plus Software (WD-35710-25 ), and optional external sensors if required. Note, one wireless cradle is required for each datalogger.

### Software Features:

Standard Software will allow viewing parameters in real time, download at preset time intervals, log and graph data, generate visual alarms with selectable set points, configure and identify each logger.



**Wireless Transmitter Software** will allow all of the above plus give audible alarms, identify logger location on scanned photo or drawing, dial-up telephone number or e-mail during an alarm condition, download data continuously or at preset interval, multitask at the PC while logging takes place.

### Ordering Information

Order #	Description	Range/Accuracy	Price
MPWD-35710-00	Temperature Datalogger, 1 internal temp. sensor, plus accepts 1 external sensor for 2 channel monitoring	Temp: -30 to 50°C (-22 to 122°F) ±0.6°C, ±1.1°F	
MPWD-35710-10	RH and Temperature Datalogger 1 internal temp. sensor and 1 internal RH sensor, plus accepts 1 external sensor for 3 channel monitoring	Temp: Same as WD-35710-00 RH: - 0-100%RH ±3% up to 90%, ±6% above 90%RH	
MPWD-35710-50	Software and cable, connects logger to 9 pin serial port. Logs, identifies, graphs, tabulates, and sets alarms (for WD-35710-00 and WD-35710-10)	NA	
MPWD-35710-20	Wireless cradle transmitter for dataloggers. Battery or AC adapter power (required with use of external sensors). Built in antenna, audible alarm, LED alarm, CE and FCC standard compliant	RS-232 at 19.2Kbps, USB at 1.5Mbps for set-up	
MPWD-35710-25	Wireless receiver kit. Connects to PC, supports and receives data from up to 200 cradles. Includes MicroLab Plus software, cable and AC Adapter. CE and FCC compliant)	120 meters outdoors (LOS) 35 meters indoors	
MPWD-35710-70	External Temperature sensor, 3.25" long SS probe with 8.2 ft cable.	-50 to 100°C, (-32 to 212°F)	
MPWD-35710-72	External current sensor. Accepts mA input from transmitters. 8.2 ft. cable	0-20 mA or 4-20mA	
MPWD-35710-74	External voltage sensor. Accepts voltage input from transmitters and transducers	0-10VDC	
MPWD-35710-76	External contact sensor. Accepts contact closure event signals	open or closed	
MPWD-35710-78	External Sensor for pH or ORP. Accepts pH or ORP electrode input direct from electrodes (sold separately)	0-14pH	
MPWD-35710-63	AC Adapter for cradles and receiver. Required with cradles using external sensors. Recommended for long term datalogging	110VAC	
MPWD-35710-64	AC Adapter for cradles and receiver, required with cradles using external sensors. Recommended for long term datalogging	220VAC	