

Well Watch 1100

eno  scientific

The Well Watch 1100 is a state-of-the-art semi-permanent well water monitoring instrument. It requires no external equipment for configuration settings, and it is capable of logging, storing, and downloading over 14,000 data points. The product consists of a small mountable control unit and a probe. The separate probe allows the display unit to be located in a convenient site up to 6 feet away.

Installation is very easy - insert the tapered end of the probe into the vent hole in the well cap and turn the control unit on. An acoustic pulse is transmitted into the pipe and measures the time to the returned echo. The distance is calculated as the result of the sound speed and the time. Within seconds the control unit displays this distance.



Key Features

- Immediate data capture
- Auto temperature compensation
- Over 14,000 data points stored in non-volatile memory
- Real-time clock/calendar to time stamp the log data
- RS232 port to download data
- Powered by standard AC adapter
- External battery pack available
- Weather resistant

Logging Software

The RS232 port can be set to output data to a remote device or used as a bidirectional communications interface to a computer for remote programming or data download. Free analysis software is available on our website. This software was designed especially for Eno Scientific to help you graphically view the data extracted from the Well Watch 1100.



Well Watch 1100 in use.

Specifications

POWER:

- External Power – 5.5 to 12VDC at 50ma.
- Real time clock – Li Ion 3V battery CR2032.

MEASUREMENT:

- Resolution - .05 ft
- Accuracy - .1 ft, (see notes)
- Range – 9 to 700 feet.

LOGGING:

- Memory – nonvolatile flash memory for 14976 data points in addition to calibration and user data.
- Logging rates – 1 sec to 60 minutes per sample.

ENVIRONMENTAL:

- Temperature – -10 to 110 F
- Humidity – 10 to 90% non-condensing.

PHYSICAL:

- Dimensions – 4x5x2.5"
- Control Unit Weight - ~10.5 oz
- Probe Weight - ~5.5 oz

FEATURES:

- Display – 2x16 character LCD
- Temperature compensation – in probe
- Alarms – high and low 10 to 700 ft.
- Serial Output – baud 300 – 57600, 8 data bits, one stop bit. (19200 baud default).

INPUTS:

- Acoustic probe
- Flow meter input (with adapter) – pulse counting.
- Temperature sensor input
- Serial port

OUTPUTS:

- Serial port

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