geotech

Sonic Water Level Measurement

Eno Scientific Well Sounder 2010 Pro

The Eno Scientific Well Sounder 2010 Pro is a portable sonic water level meter that uses sound waves to measure static water levels in wells, piezometers, and boreholes. The instrument features an internal data logger that can be configured to log manually or automatically at time intervals. If there are known defects in the well, the Well Sounder Pro can be set to ignore interferences.

Simply place the sensor into the well vent opening and within seconds static water depths are displayed.

FEATURES

- **Automatic temperature compensation**
- **Calculates drawdown and recovery rates**
- **Immediate data capture**
- **Extended 2 GB non-volatile memory – time & date stamped**
- **Power save mode**
- **Remote communications available**

KIT INCLUDES

- Well Sounder 2010 Pro Meter
- Remote Probe
- User Manual
- Quick Start Guide
- US Groundwater Temperature Chart
- USB Cable
- Heavy Duty Carry Case

SPECIFICATIONS

MEASUREMENT:

Units	English (decimal ft. or ft. & in.), Metric
Resolution	.05 ft. (1 cm)
Accuracy	.1 ft. (3 cm)
Range	9 to 7000 ft. (3 to 2133M)
Update Time	~ 1 sec@ 500 ft. (150M), ~4sec @ 2000 ft. (600M)
Time to First Fix	~4 sec. @ 500 ft. (150M)

LOGGING:

Memory	2GB nonvolatile flash memory for 25 million data points in a CSV or text compatible file system. USB connection appears as a mass storage device showing ASCII data files sorted by well ID.
Automatic Logging Rates	1 sec to 60 minutes per sample
Manual Logging	On key press

POWER:

Internal Power	6 AA Alkaline batteries
Battery Life	Up to 80 hours continuous Up to 21 days in power saver mode
External Power (optional)	6.5 to 12VDC at 80ma max. Do not exceed 16V Connector 5.5mm x 2.1 mm center post positive
Real Time Clock	Li Ion 3V battery CR2032

ENVIRONMENTAL:

Temperature	-10° to 110°F (-20° to 45°C)
Humidity	10 to 90% non-condensing

PHYSICAL:

Maximum Well Diameter	12" unless sounding tube is used
Meter Dimensions	3.5" x 7.5" x 1.5" (19 x 9 x 4 cm)
Meter Weight	14 oz. (390g)
Probe Dimensions	6" x 3" x 3" (16 x 8 x 7 cm)
Probe Tip Diameter	5/8" (1.7 cm)
Cable Length	70" (1.8M)
Cable Weight	13 oz. (355g)
Shipping Dimensions	13" x 17" x 5" (33 x 44 x 13 cm)
Shipping Weight	5 lb. (2.3Kg)

FEATURES:

Display	2 x 16 character LCD
Temp. Compensation	In probe

INPUT/OUTPUT:

Acoustic Probe with External Temperature Sensor
Serial Port . . . . .Bi-directional 300-57600 baud, 8 data bits, one stop bit.
USB Port for File System Access
Flow Meter Input (with adapter) . . . . . .Pulse counting

CALL GEOTECH TODAY (800) 833-7958

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