FUZYPRO Data Loggers

LEVEL2000
Vented Water Level and Temperature Recorder

FEATURES

- ❖ Low cost
- ❖ Miniature size
- ❖ User-friendly
- ❖ Reusable
- ❖ Atmospheric pressure compensated
- ❖ Submersible to 103 ft
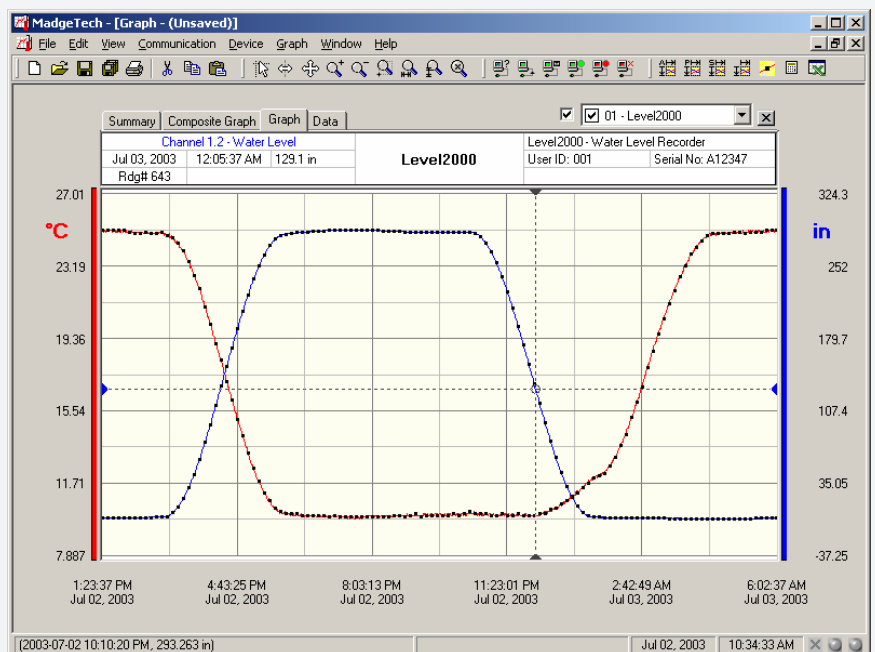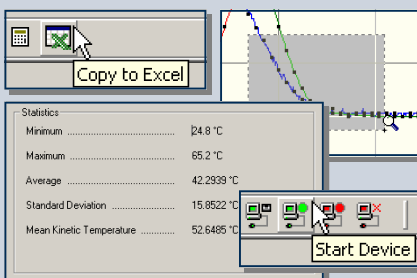- ❖ Programmable start time

APPLICATIONS

- ❖ Water level monitoring
- ❖ Environmental studies
- ❖ Waste water treatment
- ❖ Flood analysis
- ❖ Groundwater monitoring
- ❖ Irrigation canals
- ❖ Lake and wetland studies
- ❖ Stormwater studies
- ❖ Landfill/hazardous site analysis

The LEVEL2000 is a battery powered, stand alone, vented submersible water level and temperature recorder. This is an all-in-one compact, portable, easy to use device that will measure and record up to 16,383 measurements per channel.   The storage medium is non-volatile solid state memory, providing maximum data security even if the battery becomes discharged. The device can be started and stopped directly from your computer and its small size allows it to fit almost anywhere. The LEVEL2000 makes data retrieval quick and easy. Simply plug it into an empty com port and our user-friendly software does the rest.

SOFTWARE

FUZYPRO'S Data Recorder Software is an easy to use Windows-based software package that allows the user to effortlessly collect, display and analyze data. A variety of powerful tools allow you to examine, export, and print professional looking data with just a click of the mouse.

Temperature Sensor:	Semiconductor		**Reading Interval:**	1 reading every 2 seconds to 1 every 12 hours
Range:	-40 ºC to +80 ºC		**Start Time:**	Software programmable start time and date, up to six months in advance
Resolution:	0.1 ºC			
Calibrated Accuracy:	±0.5 ºC(0 to +50ºC)		**Calibration:**	Digital calibration through software
			Calibration Date:	Automatically recorded within device
Pressure Sensor:	Semiconductor strain gauge		**Power**:	3.6V lithium battery included
Media Compatibility:	Must be compatible with 303 stainless steel		**User Replaceable Battery:**	1 year typical at 25 ºC
Nominal Range:	0 to 34 feet		**Data Format:**	Date and time stamped ºC, ºF, ºK, ºR; PSI, inches, feet, millimeters, centimeters, meters (of water column)
Measurement Range:	-34 to 69 feet			
Resolution:	0.02 inches		**Time Accuracy:**	±1 minute/month (RS232 cable not in use)
Calibrated Accuracy:	Nominal range ±0.3% max @ 25 ºC		**Computer Interface:**	PC serial or RS232C COM (interface cable required); 2,400 baud
Response Time:	90% change in 1 ms			
Repeatability:	±0.5% FSR; ±0.2% typical		**Software:**	Windows 95/98/ME/NT/2000/XP based software
Proof Pressure:	75 PSIG		**Operating Environment:**	-40 ºC to +80 ºC, 0 to 100 %RH
Memory:	16,383 readings per channel		**Dimensions:**	1.25" dia x 7.5" L (32mm x 191mm)
Real Time Recording:	May be used with PC to monitor and record data in real time		**Weight:**	3 lb (1.4 kg)

*Other ranges are available by special arrangement

LEVEL2000 SOFTWARE FEATURES

Multiple Graphs:	Simultaneously analyze data from several units or deployments; easily switch to a single data series	**Statistics:**	Calculate averages, min, max, standard deviation, and mean kinetic temperature with the touch of a button
Real-Time Recording:	Collect and display data in real-time while continuing to log	**Export Data:**	Export data in a variety of common formats, or switch to Excel with a single click
Graphical Cursor:	One click displays readings by time, value, parameter or sample number	**Calibration:**	Fully digital calibration function automatically stores parameters in device
Data Table:	Instantly access tabular view for detailed dates, times, values, and annotations	**Logger Configuration:**	Easy set up and launch of data loggers with immediate or delayed start, preferred sample rate, and device ID
Scaling Options:	Autoscale function fits data to the screen, or allows user to manually enter their own values	**Communications:**	Automatically sets up communications port, or lets user set configuration
Formatting Options:	Change colors, line styles, plotting options, show or hide channels in an instant	**Printing:**	Automatically print graphical or tabular data

**As part of our commitment to continuous product improvement, FUZYPRO reserves the right to change product specifications without notice

ORDERING INFORMATION

Model	Description
LEVEL2000	Vented Water Level and Temperature Recorder
IFC101	Software, manual and 9-pin computer interface cable
N.I.S.T. Cert	N.I.S.T. Calibration Certificate

ASK ABOUT OUR OTHER DATA RECORDERS

Temperature	**pH**
Humidity	**Level**
Pressure	**Shock/Vibration**
Bridge/Strain	**Submersible**
Current	**Intrinsically Safe**
Pulse/Event	**RF Transmitters**
Voltage	**Multi-parameter**