Logicbus

¡ Tu Sitio de Automatización !

LEVEL2000

VENTED WATER LEVEL & TEMPERATURE DATA LOGGER

Features

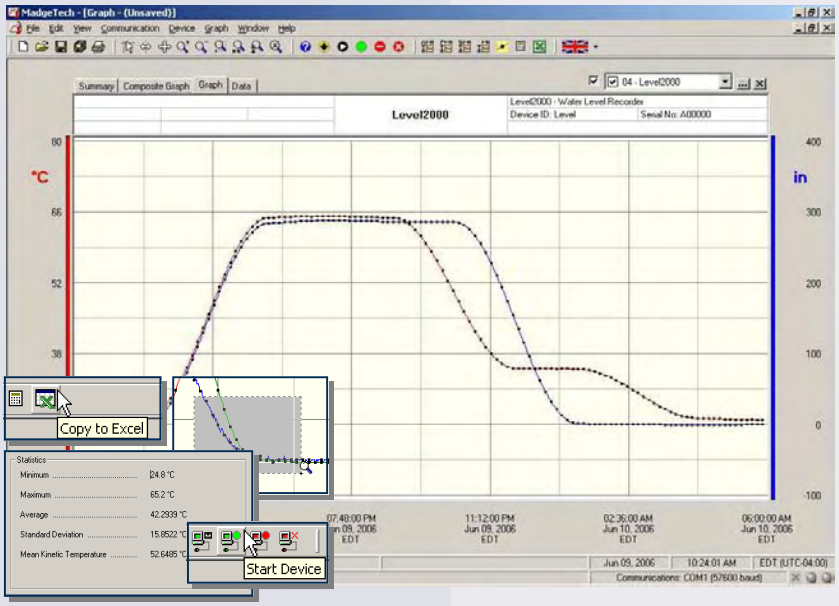
- Resistant to corrosions and chemicals
- Rugged design
- User-friendly
- Reusable
- Atmospheric pressure compensated
- Programmable start time
- Powerful software simplifies analysis

Applications

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

The Level2000 accurately monitors and records water level and temperature. Its rugged, stainless steel design allows for the device to be placed in harsh environments, which makes it well suited for use at waste water treatment facilities, monitoring well and ground water levels, irrigation canals, lake and wetland studies and other water level applications. The integrated vented tube allows the device to be atmospheric pressure compensated, providing improved accuracy and resolution over other, non-vented water level recorders.

The Level2000 uses a rugged stainless steel pressure strain gauge to accurately measure the water level. Our user-friendly software will display all pressure measurements in the user's choice of feet, inches, meters, centimeters, millimeters or PSI. The device uses an internal temperature sensor to provide accurate temperature measurements eliminating the need for a separate temperature recorder. The logger can be started to take measurements every two seconds for rapid changes in water level, up to one reading every twelve hours. The Level2000 has the ability to record up to 16,383 readings and store it in its non-volatile memory.



Data Recorder Software
displays water level and temperature data in an easy to use graph.

The Windows®-based software package 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.

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LEVEL2000 SPECIFICATIONS*

Temperature Sensor: Semiconductor
Temperature Range: -40 to +80°C
Temperature Resolution: 0.1°C
Calibrated Accuracy: ±0.5°C (0 to +50°C)

Pressure Sensor: Semiconductor strain gauge
Media Compatibility: Must be compatible with 303 stainless steel
Level Nominal Range: 0 to 30'
Effective Resolution: 0.02"
Calibrated Accuracy: Nominal range ±0.3% max @ 25°C
Response Time: 90% change in 1ms
Repeatability: ±0.5%FSR; ±0.2% typical
Proof Pressure: 45 PSIG
Burst Pressure: 75 PSIG
Desiccant: Indicating silica gel with viewing window (blue = dry; pink = saturated)
Desiccant Life: 7 days @ 99%RH; (can be regenerated by heating canister @ 350°F for 1 hour)

Memory: 16,383 readings per channel; 32,766 total readings

Reading Rate: 1 reading every 2 seconds to 1 every 12 hours
Start Modes: Software programmable immediate start or delay start up to six months in advance
Real Time Recording: May be used with PC to monitor and record data in real time
Calibration: Digital calibration through software
Calibration Date: Automatically recorded within device
Battery Type: 3.6V lithium battery included; **user replaceable**
Battery Life: 1 year typical at 25°C
Data Format: Date and time stamped °C, °F, K, °R; PSI, inches, feet, millimeters, centimeters, meters (of water column)
Time Accuracy: ±1 minute/month (RS232 cable not in use)
Computer Interface: PC serial or USB (interface cable required); 2,400 baud
Software: Windows 95/98/ME/NT/2000/XP/Vista based software
Operating Environment: -40 to +80 °C, 0 to 100%RH
Dimensions:
Submersible End: 9.1" x 1.25" dia. (232mm x 32mm dia.)
Communications End: 7.1" x 1.2" dia. (181mm x 31mm dia.), plus cable
Weight: 3 lb (1.4 kg)
Approvals: CE

BATTERY WARNING: RISK OF FIRE OR EXPLOSION. DO NOT RECHARGE, FORCE OPEN, HEAT OR DISPOSE OF IN FIRE.

SOFTWARE FEATURES

Multiple Graphs: Simultaneously analyze data from several units or deployments; easily switch to a single data series
Graphical Cursor: One click displays readings by time, value, parameter or sample number
Data Table: Instantly access tabular view for detailed dates, times, values, and annotations
Scaling Options: Autoscale function fits data to the screen, or allows user to manually enter their own values
Formatting Options: Change colors, line styles, plotting options, show or hide channels quickly

Statistics: Calculate averages, min, max, standard deviation, and mean kinetic temperature with the touch of a button
Export Data: Export data in a variety of common formats, or switch to Excel® with a single click
Calibration: Automatically calculate and store calibration parameters
Logger Configuration: Easy set up and launch of data loggers with immediate or delayed start, preferred sample rate, and device ID
Communications: Automatically sets up communications port, or lets user select configuration

*SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE. SPECIFIC WARRANTY AND REMEDY LIMITATIONS APPLY.

ORDERING INFORMATION

Model	Description
LEVEL2000	Vented Water Level and Temperature Recorder
IFC110	Software, manual and RS232 interface cable
IFC200	Software, manual and USB interface cable
NIST	N.I.S.T. Calibration Certificate
TL-2150	Replacement battery for Level2000

ASK ABOUT OUR OTHER DATA RECORDERS

Temperature	Pulse/Event/State
Humidity	Low Level Current
Pressure	Low Level Voltage
pH	RF Transmitters
Level	Intrinsically Safe
Shock	Spectral Vibration
LCD Display	

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