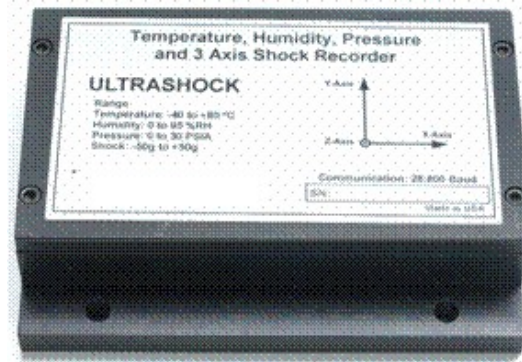


### FEATURES

- ❖ All inclusive design
- ❖ High speed download
- ❖ N.I.S.T. traceable
- ❖ Real-time operation
- ❖ Low cost
- ❖ Programmable start time
- ❖ Reusable
- ❖ Compact
- ❖ User-friendly
- ❖ Built-in accelerometers

### APPLICATIONS

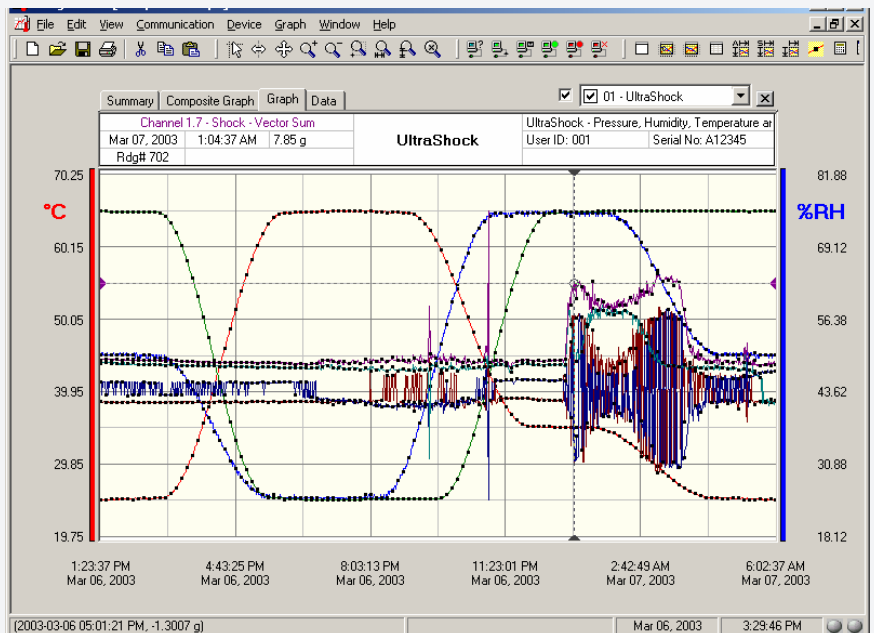
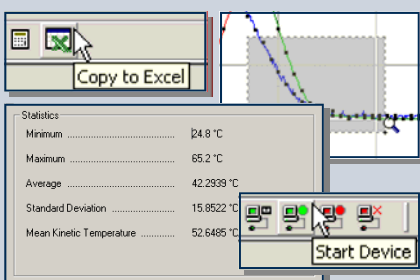
- ❖ Total environmental shipment monitoring
- ❖ Assembly line monitoring
- ❖ Brake testing
- ❖ Fragility testing
- ❖ Laboratory drop testing
- ❖ Aircraft turbulence measurement
- ❖ Machinery monitoring
- ❖ Railcar coupling impacts



The ULTRASHOCK is a battery powered, stand alone temperature, pressure, humidity and 3-axis shock recorder. The ULTRASHOCK measures and records temperature, pressure and humidity at the selected reading rates, while shock is recorded as the peak acceleration levels over the same interval. The ULTRASHOCK is specifically designed for documenting dynamic environments such as moving vehicles, trucks, containers, ships, etc. The device is also valuable in characterizing environments such as production and assembly lines of delicate electronics, IC fabrication, communications and computer components. This is an all-in-one compact, portable, easy to use device that will measure and record up to 23,831 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 it's small size allows it to fit almost anywhere. The ULTRASHOCK makes data retrieval quick and easy. Simply plug it into an empty com port and our user-friendly software does the rest.

### SOFTWARE

Evidencia'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.



## ULTRASHOCK SPECIFICATIONS

<b>Temperature Range:</b> -40 °C to +80 °C	<b>Reading Interval:</b> 1 reading every 2 seconds to 1 every 12 hours
<b>Temperature Resolution:</b> 0.1 °C	<b>Start Time:</b> Software programmable start time and date. Up to 24 hours in advance
<b>Calibrated Accuracy:</b> ±0.5 °C (0 to +50°C)	<b>Real Time Recording:</b> May be used with PC to monitor and record instantaneous measurements in real time
<b>Humidity Range:</b> 0 to 100% RH	<b>Calibration:</b> Digital calibration through software
<b>Humidity Resolution:</b> 0.5% RH	<b>Calibration Date:</b> Automatically recorded within device
<b>Calibrated Accuracy:</b> ±3%RH (±2% RH typical at 25 °C)	<b>Power:</b> 9V lithium or alkaline battery included
<b>Pressure Range:</b> 0 to 30 PSIA	<b>*User Replaceable Battery:</b> 7 days typical with lithium battery
<b>Pressure Resolution:</b> 0.002 PSIA	<b>Data Format:</b> Date and time stamped °C, °F, °K, °R ; %RH, mg/ml water vapor concentration; PSIA, inHg, mmHg, bar, atm, Torr, Pa, kPa, MPa, altitude; g
<b>Calibrated Accuracy:</b> ±1.0% FSR at 25 °C; ±0.2% typical	<b>Time Accuracy:</b> ±1 minute/month (at 20 °C, RS232 port not in use)
<b>Acceleration Range:</b> ±50 g	<b>Computer Interface:</b> PC serial or RS232C COM (Interface cable required); 28,800 baud
<b>Acceleration Resolution:</b> 0.1g (12 bit)	<b>Software:</b> Windows 95/98/ME/NT/2000/XP based software
<b>Calibrated Accuracy:</b> ±1 g	<b>Operating Environment:</b> -20 °C to +70 °C, 0 to 90 %RH non-condensing
<b>Sampling Rate:</b> 2 millisecond ( > 500 Hz )	<b>Dimensions:</b> 1.0" x 3.5" x 4.4" (26mm x 89mm x 112mm)
<b>Memory:</b> 23,831 readings per channel	<b>Weight:</b> 15 oz (435 g)

## SOFTWARE FEATURES

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

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

### ORDERING INFORMATION

Model	Description
ULTRASHOCK	Pressure, Humidity & 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	Voltage
Humidity	Current
Pressure	Submersible
pH	Intrinsically Safe
Level	RF Transmitters
Shock/Vibration	Multi-parameter
Pulse/Event	



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