



DataChart® Event 101

Event Data Logger

Features

- Count Pulses
- Memory: 10,000 Time Stamped events per channel
- Memory Wrap Around
- Reusable
- Miniature Size
- Interfaces to Tipping Bucket Rain Gauges or Pulse output flow meters
- Interfaces to contact closures
- No Programming Experience Necessary
- Real Time Operation
- Low Cost
- Quick Setup
- Record Keeping Simplified

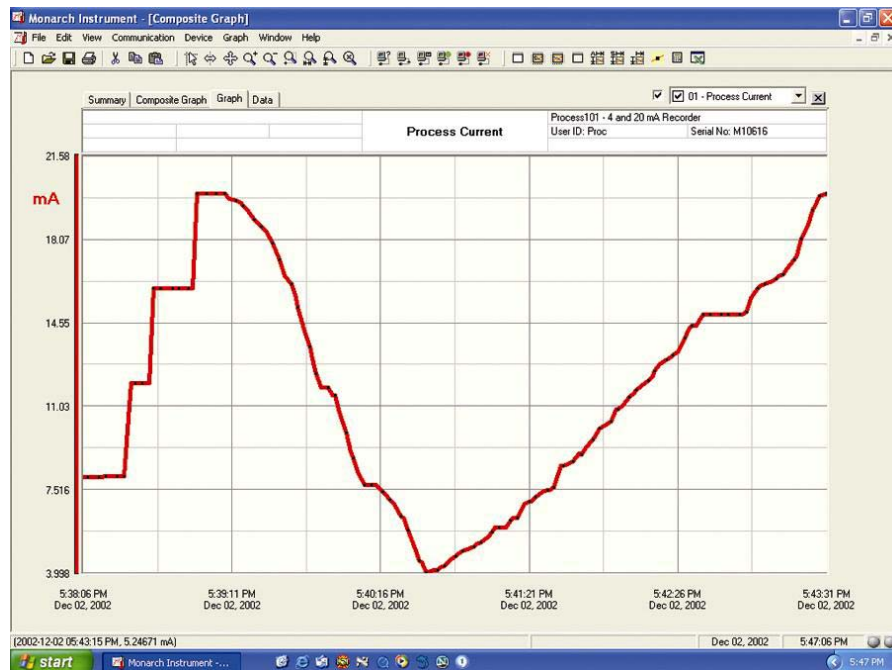
Applications

- Event Recording
- Time Studies
- Status or State Recording
- Traffic Studies
- Replace Costly Strip Chart Recorders



Description

The Event101 is a low-cost recording device that will sense a pulse input or contact closure from external sources such as transducers or pulse initiators (gas, water, and electric meters) and record the time that a particular event has occurred. Once activated, the Event101 senses and records transition or state changes at the input. The Event101 continues to record events until either the memory is full. Its real time clock ensures that all data is time and date stamped. This is ideal for recording events. The storage medium is non-volatile solid-state memory, providing maximum data security even if the battery becomes discharged. Its small size allows it to fit almost anywhere. Data retrieval is simple. Plug it into an empty com port and our easy to use software does the rest.



Specifications

Event Resolution: 10 milli-seconds

Minimum Pulse Width/Contact Closure

Time:

1 millisecond

Input Signal: TTL, Internal pull-up, + 30 Volts Max

Input Connection: Removable screw terminal

Input Impedance: >1Kohm

Memory Wrap Around: Selectable in software.

Real Time Recording: Device may be used with PC to monitor and record data in real time.

Operational Indicator: LED flashes on event.

Memory: 13,107 time stamped events per channel.

User-Replaceable Battery: 2 years typical

Time Accuracy: ± 1 minute per month at 20°C when RS232 not in use.

Data Format: Date and Time stamped.

Shock Resistance: Drop proof to 5'

Weight: 1 oz. (30g)

Computer Interface: RS232C Serial Port.

Software: Windows®95/98/NT/2000/XP based software for complete control and operation.

Operating Environment: -40°C to +80°C, 5% to 95% RH (non-condensing).

Dimensions: 0.6" x 1.4" x 2.5"

Material: ABS Plastic

Software Features

The software used to operate the Event101 requires no programming skills, enables users to effortlessly select reading rate, user ID and initiate the start of data collection within moments after user connects hardware. After retrieving the data, it may be viewed instantly in graphical or tabular form.

Zoom In/Out: Use mouse to click and drag to select area for zooming in or out.

Statistics: min, max, mean, standard deviation

Cursor: Use mouse to click on graph to obtain specific reading information.

Real Time Operation: Convert PC into strip chart recorder for real time data collection.

Annotating Data: All data points may be easily annotated.

Printing: Automatic printing of data in graphical or tabular form

Units: Pulse count

User ID: Programmable through software and stored within device.

AutoScale: Autoscale function may be enabled or disabled by user.

Calibration: Automatic calibration in software and calibration parameters stored within device

Exporting Data: All data can be directly exported to Microsoft Excel® or to text format.

Graph Grid Size: The grid size is user selectable.

ORDERING INFORMATION

Item No.	Model	Description
5399-0703	Event101	Event Data Logger
5399-9901	IFC101	9 Pin Computer Interface Cable Software & Manual
5399-9999	N.I.S.T. Cert.	N.I.S.T. Calibration Certificate

Ask About Our Other Data Loggers

Temperature	4.0 to 20.0 mA
Humidity	Pulse/Counter
Pressure	Submersible
pH	Level
Shock/Vibration	Multi-Parameter
Voltage	Intrinsically Safe
RF Transmitters	

Visit Monarch Instrument on the web at www.monarchinstrument.com
MONARCH INSTRUMENT 15 COLUMBIA DRIVE AMHERST, NH 03031 USA
TEL: 603-883-3390 FAX: 603-886-3300 sales@monarchinstrument.com

