Logicbus

¡ Tu Sitio de Automatización !
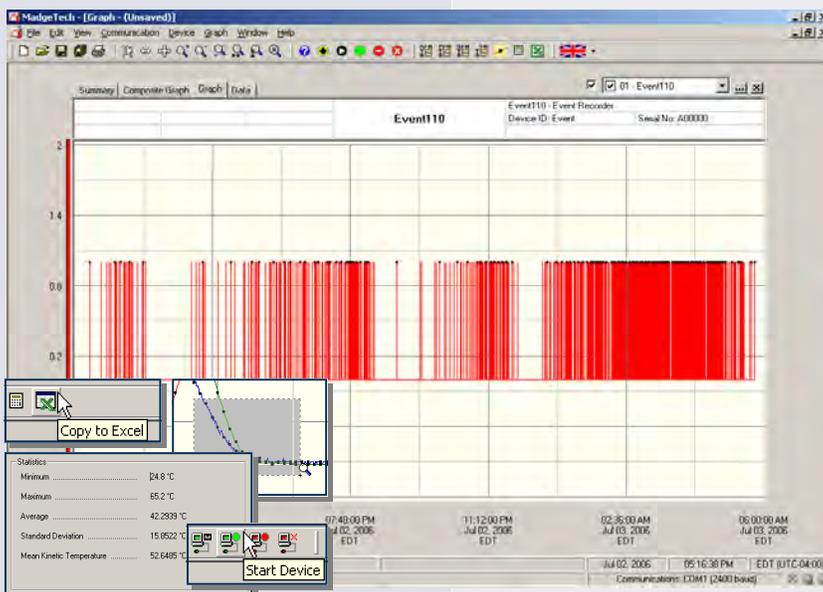
Features

- User-friendly
- High-precision tupping bucket
- Rugged construction
- Self-emptying
- Weatherproof data logger enclosure
- Programmable start time
- Built-in Engineering Units
- Up to 10 year battery
- High speed download
- Low cost
- Programmable memory wrap
- Up to 1 second resolution

Applications

- Seasonal rainfall recording
- Irrigation studies

The Rain110 is a complete system for measuring and recording rainfall over long periods of time. It can record up to 6" of rainfall every hour and 131" of rainfall total. The Rain110 only records to memory when rainfall is present, maximizing the amount of time the system can record. Using the logger's built-in Engineering Units, the data can be offloaded and displayed in user-specified units (eg. inches, centimeters). The software can "totalize" the rain bucket tips, allowing easy viewing of the accumulated rainfall over the time period of interest.

Data Recorder Software
displays event 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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RAIN110 SPECIFICATIONS*

Accuracy:	±4% over range of 1" to 6" per hour	**Battery Type:**	3.6V lithium battery, included; **user replaceable**
Orifice:	8" dia. (204mm dia.)	**Battery Life:**	Up to 10 years
Reed Switch Contact Rating:	3W, 28VAC	**Time Accuracy:**	±1 minute/month (at 20 °C to 30 °C)
Rainfall Per Bucket Tip	0.01" (0.254mm)	**Computer Interface:**	PC serial or USB (interface cable required); 57,600 baud
Mounting:	(3) 1/4" dia. holes on 9.5" dia. circle	**Software:**	Windows 95/98/ME/NT/2000/XP/Vista based software
Tripod/Mast Kit:	Contact factory for availability	**Operating Environment:**	0 to +60°C, 0 to 95 %RH non-condensing
Real Time Recording:	May be used with PC to monitor and record data in real time	**Dimensions:**	Rain Gauge: 12.0" x 8.4" dia. (305mm x 214mm dia.) Weatherproof enclosure: 3.5"x2.9"x1.1" (87mmx73mmx27mm)
Memory:	13,107 samples, (131" (332cm) of rainfall); software configurable memory wrap	**Construction Materials:**	Funnel: anodized aluminum; base, body and bracket Tipping Bucket: PVC
Reading Rate:	1 reading every second to 1 every 12 hours	**Weight:**	Rain Gauge: 10 lbs (4.5kg) Weatherproof enclosure + data recorder: 9 oz. (254g)
Start Modes:	Software programmable immediate start or delay start up to six months in advance		
Data Format:	Date and time stamped samples in inches or centimeters, software programmable Engineering Units.		

BATTERY WARNING: FIRE, EXPLOSION, AND SEVERE BURN HAZARD. DO NOT RECHARGE, DISASSEMBLE, HEAT ABOVE 212ºF, INCINERATE OR EXPOSE CONTENTS TO WATER.

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:**	Automatically calculate and store calibration parameters
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 select configuration
Formatting Options:	Change colors, line styles, plotting options, show or hide channels quickly	**Printing:**	Automatically print graphical or tabular data

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

ORDERING INFORMATION

Model	Description
RAIN110	Rainfall Recording System, includes a tipping-bucket rain gauge, data logger, weatherproof box, necessary cabling and the IFC110 PC interface kit
IFC200	Software, manual and USB interface cable
LTC-7PN	Replacement battery for Rain110 data logger

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	