

## AUTOMATIC RAIN GAUGE [DATA LOGGER WITH TELEMRTY]

### Product Introduction



**RKEC datalogger for the Automatic Rain Gauge** having the industrial grade micro controller ensure the reliability, accuracy and continuous performance in the toughest weather condition. Compact-datalogger version v-21.7 is the best choice for the research and professional works in the market. Design makes easy to installed by one person and reduce the transportation cost. **Automatic Rain Gauge datalogger compatible to attached any of the tipping bucket pulse output rain gauge manufacturer brands in the world such as RKEC, Davis, Rain Wise, Lambert and many more, logger comes with the** solar panel and battery with an intelligent solar charging kit inbuilt in the battery pack.

**Automatic Rain Gauge datalogger** having the facility of the measuring the Logger Temperature, Rainfall, Date, Time and Battery volts. Data logger for the collection of real time data automatically. **16 X 2** alphanumeric display and **1 X 4** keypad is provided at front of data logger for programming data logger and monitoring sensor reading at site without the help of computer.

Datalogger program to connect the RKEC temp and humidity sensor Model: RK-S-TH [User can purchase sensor to our website on extra cost]

### Data Logger View

PROFESSIONAL LINE	SPECIFICATION
Model	Compact-Datalogger Version v-21.7
Display	16 Characters x 2 Lines alphanumeric display
Measured Parameter	Date, Time, Rainfall (mm), Temperature (°C), Battery (volts)
Real Time Clock	Stability long-term: ±1 ppm / year Stability (temperature): ±3.5 ppm or better form -40° to 85°C
Logging Rate	1 min to 1 hours
Data Storage	16 GB (sufficient for more than 5 years of logging in 1 min. logging rate)
Power supply	5 volts
Battery Life	< 3 years in continuous operation
Clock accuracy	±3 seconds per year
Battery Charging	Through solar panel or 220 Volts AC
IP rating	IP 65
Operating Temp.	-40°C to 75 °C
Operation Humidity	0 to 95% no-condensing
Data Retrieval	SD Card, No need of any Software Direct Copy and Paste Excel sheet
Data Transmission	Through GPRS Telemetry to our Webserver (With 1 year dashboard Access)
Weatherproof encl.	IP 67 weatherproof enclosure provides [Optional]

### Battery Pack with inbuild Charger and Solar Panel

PROFESSIONAL LINE	SPECIFICATION
Model	BC-life6 T
Output Voltage	5 Volts DC Reverse Polarity
Protection	Battery over Charge Protection Battery over Discharged Protection
Battery Charging	Provided Inbuild solar charging Circuit through solar panel (6 V, 6 watts) 220 volts AC supply (optional)
Battery Life	More than 2 years Soft Start Charging or good health of battery
Advance Feature	Battery Temperature measurement inside Disconnect charging when temperature of batter goes high than normal
Solar Panel	6 volts with Mounting plate and U clamp



**Note:** GPRS-Active GSM SIM Cards is in your work of scope. There should be Network Coverage Availability at the installation site.

