



iRIS 120 Raingauge Datalogger

Raingauge datalogger for monitoring rainfall.



- Enclosure sealed to IP65
- LCD and touch pad
- Store up to 250,000 time/date stamped recordings
- 2 Alarms per channel
- Internal 3.6V lithium battery, life expectancy of 2–4 years.
- Applications include rainfall measurement, water datalogging, remote control, wind measurement recording, irrigation monitoring, and many others...

Description

The iRIS 120 Raingauge Datalogger has been designed and constructed for portable, outdoor use. It is distinguished by being fully waterproof, self-powered and compact whilst still featuring an LCD screen and capacitive touchpad. The Raingauge Datalogger can be connected to a wide variety of sensors, featuring two analogue (0-5V, 0-20mA) inputs, two digital inputs and a single digital output. Connections to the Raingauge Datalogger are available through a 3 foot multi-wire cable with attached terminal strip.

The iRIS 120 Raingauge Datalogger supports a maximum of four virtual sensors, the sources of which can be chosen from a range of physical digital or analog types. Each Raingauge Datalogger sensor has two associated alarms, each with separate trigger and reset levels. Each Raingauge Datalogger alarm also has a duration, which is used to delay the alarm trigger for analog inputs and to determine the time over which pulse input counters should be totalized (rainfall, flow meter pulse etc). Raingauge Datalogger Data is logged in a four word (8 byte) compressed format which includes full date and time to fractions of a second.

The Raingauge Datalogger alarm(s) can be linked to the digital output to activate external equipment when one or more alarms are activated in the event of alarm activation.

Specifications

Resolution: 12-Bit

Memory: 2MB, stores up to 250,000 time/date stamped recordings, circular buffer (overwrites oldest data)

Channels: 2-Analog Inputs (0-5V), 2-Digital Inputs (30Vdc Max In), 1-Digital Output (Open drain pull down, max 300mA @ 30V)

Comms Interface: 1x RS232 DB9, DTE configuration. Fixed speed 38400 bps.

Clock: Real time clock and calendar.

Power Supply: internal 3.6V lithium battery, with a nominal life expectancy of 2 – 4 years. External 5-15 VDC connection available.

Temperature:

Operating: 14 to 185°F (-10 to 70°C)

Storage: -4 to 185°F (-20 to 85°C)

Size: 2.4"x3"x1" (61x76x26mm) (WxHxD)

Weight: 5.6 oz (160g)

Price List

iRIS 120

Raingauge Datalogger.....\$395

FP0550

Raingauge Datalogger Enclosure Kit W/ Solar Panel....\$595
Includes heavy-duty rugged, lockable enclosure, 5w 300mA Min. solar panel, smart charger, 12V 4.5Ah battery.

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