RHINO

DataLogger

Temp & RH Monitoring

This DataLogger measures and stores up to 32,000 humidity (0 to 100%RH) and temperature (-35 to 80℃(-31~176°F)) readings. Dew point and more professional applications can be provided by the PC software DGraphTM. Logger status, alarm indication and low battery indication are via flashing red/green. LED and yellow LED. The button on housing can be used to start logging, or confirm and clear LED alarm when LED alarm is hold status.

User can plug DataLogger straight into PC's USB port without any cables. Before getting started, user need to install USB driver and DGraphTM software, provided on the CD which is included in product packing box. All the software can run under Windows XP, Vista, 7 or 8(32 bit and 64 bit Versions). User can easily use DGraph. Software to setup sample rate (from 10 seconds to 12 hours), high/low alarm. Limit and start/stop method, and download data to PC, etc. And then user can view, analyze and print the data, or export other file formats (txt, xsl, csv, bmp, jpg).

Features

- USB interface directly communicate with PC for setup and data download
- User can set access password for data logger
- User can name each channel and enable/disable specified channel freely
- LED alarm enable/disable, LED alarm hold enable/ disable and alarm limit settings for all channels
- User can input formula to customize compound graph from selected logging data
- User can create and customize new unit easily and freely for all measurement parameters
- Logging status indication via red/green LED and battery status indication via yellow LED
- Start logging method: Immediately, Button, Delayed
- User can input two point calibration value for each channel when setup
- Dew point calculated via software Dgraph
- Replaceable lithium battery and logged data are not lost if battery exhausted

Specification

Item	Specification
DataLogger dimension & weight	4.8 x 1.5 x 0.9 inch
Temperature	• Measurement range: -35~80 °C • Accuracy (Typ.): +/- 0.3 °C (+/- 0.5 °C) • Resolution (Typ.): 0.1 °C
Relative Humidity	• Measurement range: 0~100%RH • Accuracy (Typ.): +/- 0.3 %RH • Resolution (Typ.): 0.1 %RH
Display type	LCD
Memory Capacity	64 Kbytes (Total 32,000 readings for all channels)
Sample Rate	User selectable from once every 10 sec. to every 12 hr.
PC Software	DGraph™ software and USB driver required (included on CD)
Power supply	User replaceable 1/2AA 3.6V lithium battery, 1200mAh
Battery Life	• Approx. 2 Years @ 1 minute sample rate • Approx. 4 Years @ 10 minute sample rate • Approx. 8 Years without any sample task *Note: It also depend on ambient temperatures and using of LEDs*
Case Material	ABS, TPU, PC

Single unit

No.	Item	Unit	Specification
1	DataLogger (USB)	1	USB interface directly communicate with PC for setup and data download. This data logger measures and stores up to 32,000 humidity 0 to 100%RH and temperature -35 °C to 80 °C
2	Lithium Battery	1	Replaceable ½ AA 3.6 V Lithium Battery, 1200 mAh
3	CD of software	1	The software for install USB driver and DGraph™ software
4	Quick start guide	1	The instruction, how to install a software and setup a DataLogger

For package set: 1 set includes 10 units of DataLogger

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