

Temperature Data Logger with USB Interface BTH03/04



It can also be used as an Easy and Portable Meter. This data logger measures and stores up to 32,000 temperature(-35 to 80?(-31~176?)) readings. Some 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 data logger 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 DGraphTMsoftware 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, analyse and print the data, or export other file formats(txt, xsl, csv, bmp, jpg). Especially, for some professional applications, user can set access password, name each channel, enable/disable specified channel, input calibration data for each channel, disable LED indication for saving power, and select sample mode(Instant, Average, Maximum and Minimum), etc.

Feature

- * Portable, precise, compact and low cost
- * Easy to log and analyse data
- * Unique and uniform PC software DGraphTM can meet your higher requirements
- * Elaborate design make it perfectly work in more application field
- * Strict design ensure long term reliable work
- * Enhanced electrostatic protection design to prevent unexpected damage
- * Each unit have single serial number identified by DGraphTMsoftware to manage data simply
- * All data from different data logger and all different measurement parameters can be graphed and analysed together
- * 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 via DGraphTM
- * 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 DGraphTM
- * IP66 environmental protection
- * Long battery life: Approx. 4 Years @ 10 Minute Sample Rate
- * Replaceable lithium battery and logged datas are not lost if battery exhausted

Spesification

		BTH04	BTH03
Temperature	Measurement range	-35~80?(-31~176?)	-35~80?(-31~176?)
	Accuracy(Typ.) ^{Figure 1}	±0.5?(±0.9?)	±0.5?(±0.9?)
	Resolution	0.1? / 0.2?	0.1? / 0.2?
	Long Term Drift	Negligible	Negligible
LCD			√
Memory Capacity	64KBytes(Total 32,000 readings for all channels)		
Sample Rate	Can be selected from 10 seconds to 12 hours		
Start Method	Immediately, Start by button, and Start at date&time		
Stop Method	Stop when memory full, overwrite when memory full, stop by button, and stop until specified number of sample points finished		
Sample Mode	Instant(default), average, maximum and minimum This will decide how to dispose data at idle time between a sample interval		
Button	Software config to start logging bybutton, or clear and reset LED alarm when LED alarm is hold		
LED	Red&green LED: Logger Status indication(Include Delay to Start, Logging, Alarm, Finished)(Sofware can disable this two LED for saving power) Yellow LED: Low battery indication		
Alarm	User programmable high or low alarm limit for each channel(If necessary) LED alarm and hold		
Communication	Direct USB connection Need to install the driver provided on CD		
PC Software	DGraph™ software and USB driver required (Included on CD) (Compatible with Windows XP, Windows Vista, Windows 7&8(32 bit & 64bit Versions)) Use these software to setup, download, view graph and analyse data		
Power Supply	User replaceable 1/2AA 3.6V Lithium Battery 1200mAh NOTE: USB interface can supply power directly if necessary		
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 Depends on ambient temperatures and using of LEDs		
Operating Range	0 to 100%RH -35 to 80?(-31 to 176?)		
Storage Range	Recommended: 20 to 60%RH 10 to 50?(50 to 122?)		
Case Material	ABS, TPU, PC		
Dimentions	123mm×37mm×23mm(4.8"×1.5"×0.9")		

Weight	Approx. 90 grams(3.19 oz)
Mounting	Mounting bracket (Optional) or locking eyelet
Standard Compliance	IP66,RoHS