Bluetooth Logger
Bluetooth Wireless Temperature and Humidity Monitoring

The COMBT1 makes mobile data logging simple when used with the Comark BT app for Android™

The COMBT1 data logger measures and stores up to 500,000 temperature and humidity readings. The LCD screen displays curent readings and indicates Bluetooth connection status. Push button operation allows cycling of current, minimum and maximum recorded values. The COMBT1 comes with a rechargeable battery and can be used with a USB wall charger.
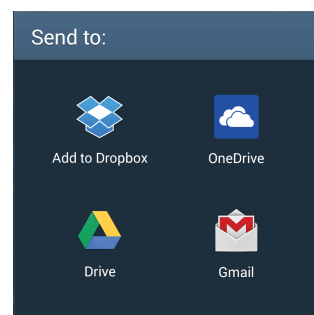
COMARK BT MOBILE APP FOR ANDROID™
The Comark BT app for Android™ is available on Google Play™ and allows you to manage your COMBT1 logger with ease.

- Easily configure your COMBT1 logger
- Download recorded data and view on your device
- Animated walkthrough of the setup process
- Export the logger's information via email or other cloud services

GET IT ON **Google** play

Within the app you can set the sample rate, temperature scale, temperature and humidity alarms, Bluetooth power-save settings, LCD settings and variable start times. Downloaded data will be saved to your phone's memory and can be viewed at any time. You can then send the data via email or your preferred file hosting service to another device or Windows PC for further analysis.

Features

- –20°C to +60°C (–4°F to +140°F) and 0 to 100% RH measurement range
- Setup and download using the free Comark BT app for Android™
- View data on your Android™ device or export for viewing in Windows Excel™
- Store up to 500,000 temperature and humidity readings
- LCD screen shows the current, minimum and maximum readings and status indication
- Rechargeable lithium ion battery

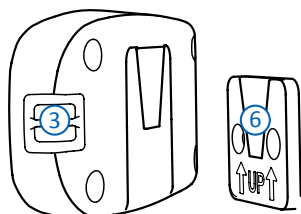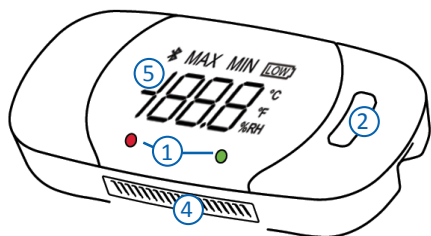**Send to:**

Add to Dropbox | OneDrive

Drive | Gmail

View logged temperature, humidity readings and calculated dew point, minimum and maximum values, and alarm breaches. Use zooming and panning features to view critical data with ease.

Data can be sent via email or your preferred file hosting service to another device or Windows PC for further analysis.

The Professionals' Choice

Bluetooth Logger
Bluetooth Wireless Temperature and Humidity Monitoring

The COMBT Data Logger
1. Status indicators
2. Button to toggle Bluetooth and cycle minimum/maximum readings
3. Micro USB for battery charging
4. Temperature and humidity sensor
5. High contrast display
6. Wall mount

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UKAS CALIBRATION 0451

ISO 9001 Quality Management FM29700

Specifications COMBT1

Measurement range	Temperature: –20 to +60°C / –4 to +140°F
	Humidity: 0 to 100% RH
Measurement resolution	Temperature: 0.1°C / 0.1°F
	Humidity: 0.1%
Accuracy (overall error)	Temperature: ±0.4°C / ±0.7°F typical
	Humidity: ±2%RH typical
Operating temperature range	–20 to +60°C / –4 to +140°F
Battery life	6 months (at 25°C in power save mode)
Dimensions	102 x 51 x 20mm / 4.01 x 2 x 0.78 in
Environmental protection	IP55
Comark BT app for Android	Version 4.0 and later
Connection distance	Class 2 Radio 10m (30 ft)

Typical and maximal tolerance for temperature sensor in °C.

Typical and maximal tolerance at 25°C for relative humidity.

Typical and maximal tolerance at 25°C for relative humidity.
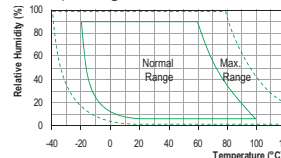

Operating conditions
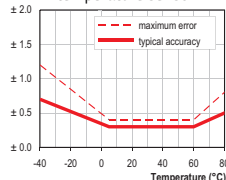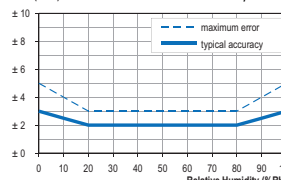
Long term exposure to conditions outside the 'Normal Range' may temporarily offset RH measurements (±3%RH after 60 hours). Once returned to less extreme conditions the device will slowly return towards calibration state.
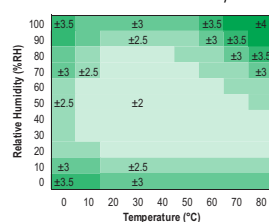
When tracking changes in ambient conditions, the response time of the humidity sensor in your data logger is approximately 20 minutes to reach 90% of the reading. However, if you are measuring step changes in humidity (for example if calibrating the product) it is advised that you leave the unit for up to four hours to ensure that it has enough time to settle at the new level.

It is worth remembering that the value of relative humidity is of course sensitive to temperature variation. As an example, at a relative humidity of ~90%RH at ambient temperature, a variation in temperature of 1°C will result in a change of up to –5%RH. Therefore when comparing multiple devices or calibrating them, any temperature variations must be considered.

Battery Life and Power Supply
The logger will arrive partly charged, but you should charge it for 24 hours before use for optimum performance. The battery can be recharged (at temperatures between 0 and 40°C) via a PC, a USB +5V wall adapter, or a portable USB battery pack using the cable provided. It can also be permanently powered by a USB wall adapter or USB battery pack. The COMBT1 Quickstart Guide contains complete information on all of the features of your data logger, and can be found at www.comarkinstruments.com.

Warranty
All Comark instruments have a minimum one year warranty unless otherwise stated. The warranty for temperature probes is six months and all other probes are unwarranted because the conditions of use are beyond our control. The Comark Warranty covers manufacturing defects and component failure and applies worldwide. In line with our policy of continuous development, we reserve the right to alter any product specification without notice. Comark has an accredited UKAS (NIST equivalent) calibration laboratory for temperature and humidity measurement and offers full service and recalibration facilities.