



CSD SERIES BLE4.0

DATA LOGGER

TEMPERATURE / HUMIDITY



The smart temperature · humidity recorder **CAS DATA LOGGER**

CAS Data Logger monitors the temperature and humidity of closed spaces in real-time, documenting its findings through the connected mobile app to assist in stabilizing and monitoring spaces. With its precise internal sensor, CAS Data Logger accurately records temperature and humidity on a second-by-second basis, and facilitates real-time monitoring and data management.



Real-time monitoring via App



Indoor environment monitoring



Freezing/refrigeration environments



Waterproof and dustproof



Product features

1. Portable design

Comfortable hand-held size and light weight allow for easy installation anytime, anywhere

- Weight: 45g
- Size: 35 x 16mm



2. Exclusive holder

Designed with an exclusive holder for stable fixture and data collection.



3. Precise temperature and humidity sensor

The precise internal sensor enables accurate recording of temperature and humidity on a second-by-second basis, with temperature recorded to the closest 0.1°C and humidity to the closest 1%.



4. Strong temperature durability / waterproofing/dustproofing

Powerful temperature durability from -40°C to 105°C, and IP66-qualifying waterproofing and dustproofing enable temperature and humidity recording in spaces with high dust/moisture levels and extreme temperatures.

5. Data capacity: 32,000 records

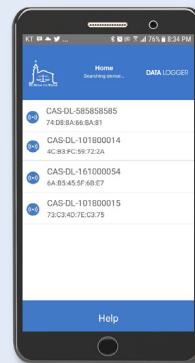
With a data capacity of 32,000 records, temperature and humidity data recorded each second can be stored for up to one year. Recorded data will be automatically saved on your smartphone using the App.

6. Battery

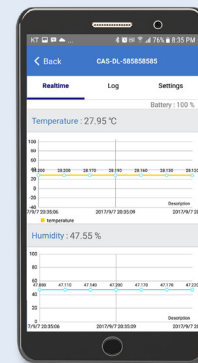
One BR2477 battery lasts up to one year.

CAS Data Logger App

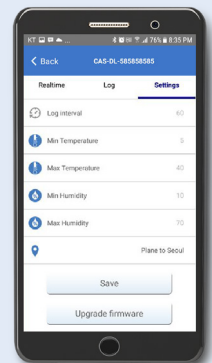
- Compatible with Bluetooth Low Energy (BLE) 4.0
- Manage multiple loggers through a single window
- View real-time temperature and humidity graphs
- Documentation feature (file format: CSV)
- Settings : logging interval, minimum/maximum temperature, minimum / maximum humidity, recording locations



Home screen



Real-time screen



Setting screen

One Data Logger App can be used to manage multiple Data Logger devices. Check the serial number (S/N) at the back of the device to access the data of your desired devices.

Check real-time temperature and humidity graphs. The real-time screen shows temperature and humidity graphs at one-second intervals, for the last 20 seconds, as well as the remaining battery percentage so that you will know when it's time for battery replacement.

You can set logging intervals, minimum/maximum temperature and humidity, recording locations, firmware update, and format.

Product specifications

CSD - 1		
Sampling item	Temperature/ Humidity	
Sampling scope	Temperature	-40°C ~ 105°C
	Humidity	0 ~ 100 RH %
Error range	Temperature	±0.2 °C
	Humidity	±2% in 25°C
Resolution	Temperature	0.1°C
	Humidity	1%
Appearance	Size	103 x 35 x 16mm
	Weight	45g
System	CPU	ARM Cortex-M0 16MHz
	Memory	16KB RAM, 256KB EEPROM
	Data Storage	External 256KB EEPROM
	Battery	BR2477 950mA for 1 year operation
Wireless communication	Technology	Bluetooth Smart (Bluetooth 4.0 Low Energy only)
	Transmission Power	0 dBm
	Operating temperature range	-40~105°C
Mobile APP	iOS	iOS 5 and later
	Android	Android 4.3 and later