DIGITAL DATA LOGGER & ALARM

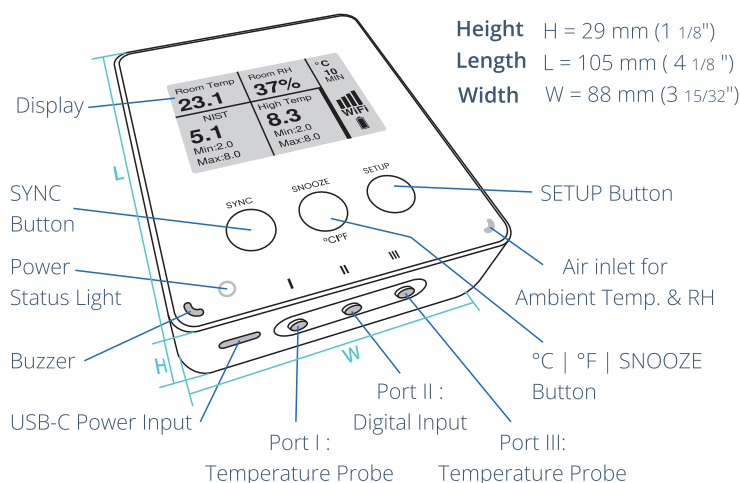**E-INK** Display **+** Buzzer

WIFI   **Cellular**

The HABCOLog 2.0 Data Logger is a modern line of HABCOLog 2.0 device built for precise, high-frequency environmental monitoring. Each model features a low-power epaper display that provides live readings, visual alarm indicators, and intuitive setup instructions. Designed for reliability and simplicity, HABCOLog 2.0 devices connect directly to the internet without requiring a gateway. They offer long battery life, real-time alerts, and advanced onboard calculations such as dew point, vapor pressure, and mold risk. Seamlessly integrated with the HABCO's Cloud platform, HABCOLog 2.0 delivers powerful data insights and flexible access from any device.
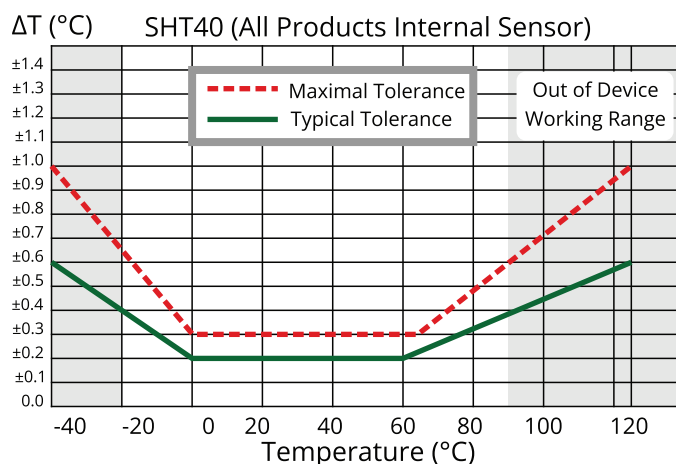
General Technical Specifications

Built in sensors		Temperature and Relative Humidity (RH)
Operation Temperature range	°C	-20 to +70
	°F	-4 to +160
Temperature Measurement Accuracy		±0.2 °C (±0.36 °F)
Temperature Reporting Resolution		0.1
RH measurement range		0-99% non-condensing
RH Measurement Accuracy		±1.8% RH (at 25 °C, 10–90%)
Interface		Wi-Fi - IEEE 802.11 b/g/n – 2.4 GHz Cellular LTE-M & 2G (all band - Global) *
FCC ID	WIFI	2AC7Z-ESPWROOM32
	Cellular	2AJYU-8VC0001
Power Supply	Internal	4 x AA batteries
	External	5V DC Standard USB-Charger (Not Included)
Display Update Temperature Range Out of this range, display updates are paused	°C	0 to +50
	°F	+32 to +122
Internal Memory Capacity		49,000 Record of each measured Parameter
Recoding interval		1 to 30 minutes
Syncing interval (sending data to the cloud)		Real-time Alarms - 10 minutess to 7 days

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Parts and Components

Display
SYNC Button
Power Status Light
Buzzer
USB-C Power Input
Port I : Temperature Probe
Port II : Digital Input
Port III: Temperature Probe
SETUP Button
Air inlet for Ambient Temp. & RH
°C | °F | SNOOZE Button

Height	H = 29 mm (1 1/8")
Length	L = 105 mm (4 1/8 ")
Width	W = 88 mm (3 15/32")

Display readout:
Room Temp 23.1 / Room RH 37% / °C 10 MIN
NIST 5.1 Min:2.0 Max:8.0 / High Temp 8.3 Min:2.0 Max:8.0 / WiFi

Internal Sensor's accuracy:

ΔT (°C) SHT40 (All Products Internal Sensor)

Legend:
- - - - Maximal Tolerance
───── Typical Tolerance
Out of Device Working Range

Y-axis: ±1.4, ±1.3, ±1.2, ±1.1, ±1.0, ±0.9, ±0.8, ±0.7, ±0.6, ±0.5, ±0.4, ±0.3, ±0.2, ±0.1, 0.0
X-axis Temperature (°C): -40, -20, 0, 20, 40, 60, 80, 100, 120

RH (%RH) SHT40 (All Products Internal Sensor)

RH (%RH)	Tolerance
100	±3
90	
80	±2
70	
60	
50	±1.8
40	
30	
20	±2
10	
0	±3

X-axis Temperature (°C): 0, 10, 20, 30, 40, 50, 60, 70, 80

Real-time Alarm Methods:

Phone Call   Text (SMS)   Email (@)   Audible   Visible

HABCOLog 2.0 Special Features:

Advanced Monitoring, Alarms, and Seamless Connectivity

- Connects directly to WiFi or Cellular (No gateway required)
- Alarms via Email, SMS, Phone Call
- Power Disruption and Re-connection Notification
- Audible and Visual alarms
- Real-time BLE streaming
- Automatic WiFi-to-cellular rollover (in Cellular model)
- Works on 4xAA batteries (up to 2 years) or USB-C power
- Super user-friendly setup with QR scan

Device label:
HABCO LOG 2.0
Scan QR or visit the site
Serial: 92506757
DUID: 07332961
Cellular + WiFi
https://habcolog.com
SYNC SNOOZE SETUP
°C|°F

App display:
Temp 24.5°C
co2 936 ppm

Compliance:

FC IEEE 802.11 b/g NIST Traceable FDA CFR 21 (Part 11) RoHS CE EN 61010-1 3rd edition