

APPLICATION

“bun HYGRO X” is a temperature and relative humidity (RH) recorder and alarm system with an external sensor. It is powered by 2 replaceable AA batteries for up to 10 years and connects directly to Wi-Fi.

More than an accurate meter and a reliable data logger, “bun HYGRO X” is also a cloud-based alarm system.

All setting parameters like measurement intervals, upload intervals, minimum and maximum allowed temperature and humidity thresholds can be set through a web-based application on any platform. It sends out email

and text message alarms as soon as any parameter goes wrong. It also provides access to the records history, graphs and periodical reports. Its hardware and software installation is very easy and does not require any specific tools or applications.



GENERAL SPECIFICATIONS

Sensors	Temperature – Relative humidity (RH)
Temperature measurement and alarm range (Sensor only)	°C -40 to +125
	°F -40 to +257
Upload temperature range*	°C -5 to +70
	°F 20 to +160
Temperature measurement accuracy	°C ± 0.3 (down to ± 0.2 by order) (± 0.55 °F)
RH measurement range	% 0 to 100 (non-condensing)
RH measurement accuracy	% ± 3% (max.) (down to ± 1.8 % by order)
Power supply	2 x AA replaceable batteries
Sensor's protection class	IP 66
Compliances	IEEE 802.3, EN 61326-1, EN 61010, EN 12830, FCCID: 2AHMR-ESP12F, CE, ROHS, HACCP
Battery life*	Up to 10 years
Upload intervals	One hour to once a week (or on demand)
Record intervals	1 minute to 120 minutes (down 2 sec. by order)
Interface	Wi-Fi - IEEE 802.3 – 2.4 GHz
Max. number of internal records	16,384 – Automatic cloud sync and replace

*Upload temperature range is the ambient condition required for the device to stay fully operational. These operations include being able to connect and sync with the cloud and send out alarms. However, the device can continue recording the data in its internal memory while in temperature measurement range.

*Depends on reading and upload intervals and environmental conditions. Battery life is more than 10 years in a standard set up. (Standard set up is room temperature 20°C measurement every 15 minutes upload every 48 hours).

AMBIENT CONDITIONS

Storage temperature	°C	-25 to +75
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DIMENSIONS

Diameter (max.)	L	mm	80.0
Height (max.)	H	mm	34.5

Maximum and typical inaccuracy

