

## bun HYGRO X PLUS

Ultra Accurate Wi-Fi temperature and humidity recorder-alarm

### APPLICATION

“bun HYGRO X PLUS” is an accurate temperature and relative humidity (RH) recorder and alarm system. 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 logger, “bun HYGRO X PLUS” 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 provides access to the records history, graphs and periodical reports on any platform. Its hardware and software installation is very easy and does not require any special tools or applications.



### GENERAL SPECIFICATIONS

Built in sensors	Temperature – Relative humidity (RH)
Temperature measurement range	°C -40 to +125
(External Probe)	°F -40 to +257
Upload temperature range*	°C -5 to +70
	°F 20 to +160
Temperature measurement accuracy	°C ± 0.2 (± 0.36 °F)
RH measurement range	% 0 to 100 (non-condensing)
RH measurement accuracy	% ± 1.5% (Typical)
Power supply	2 x AA replaceable battery
Protection class	IP 54
Compliances	IEEE 802.11, 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 802.11b – 2.4 GHz
Max TX power	802.11 b: +20 dBm

HYGRO X PLUS - 2021-03-06-EN

Rx Sensitivity

802.11 b: -91 dbm (11 Mbps)

**LoggerFlex**  
smart devices

FCC ID	<a href="#">2AHMR-ESP12E</a>
Max. number of internal records	16,384 – Automatic cloud sync and replace
<p>*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.</p> <p>*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).</p>	

## AMBIENT CONDITIONS

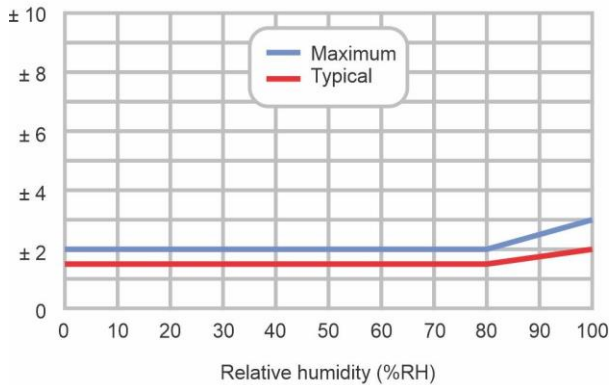
Storage temperature	°C	-25 to +75
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## DIMENSIONS

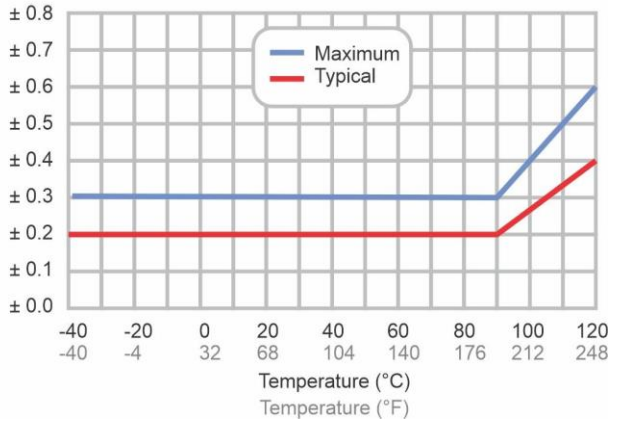
Diameter (max.)	L	mm 80.0
Height (max.)	H	mm 34.5

### Accuracy Curve

$\Delta RH(\%RH)$



$\Delta T(^{\circ}C)$



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