FEATURES

- The device offers a battery life of up to 2 years
- Review and analyse your data with powerful graphing functionality
- It records and uploads temperature and humidity data to the Easy Log Cloud

RS PRO Data Logger for Humidity, Temperature Measurement

RS Stock No.: 172-0566

RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has

been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

Introducing the RS PRO cloud-connected temperature and humidity data logger kit. When it comes to temperature probes, the RS PRO high accuracy Temperature and Humidity Data Logger Kit is highly accurate, reliable, high quality and flexible, and with its cloud-connectivity, it offers even more versatility for measurement and ease of use across a wide range of applications. This data logger has been designed to monitor and record measurement data of the ambient temperature and humidity in a large range of environments, using a probe on 2m cable. This external temperature and humidity probe makes it an ideal choice for applications where it may be problematic to locate the whole device such as museum display cases and HVAC systems.

General Specifications

Measurement Parameters	Temperature, Humidity
Sensor Type	Temperature, Humidity
Number of Input Channels	1
Interface Type	Wi-Fi
Alarm	Yes
Logging Rate	User selectable between 10 seconds & 12 hours
Software	Download the EasyLog Cloud App and set-up a device in minutes over your WiFi network
Includes	Short External Thermistor/RH Probe
Applications	HVAC, Health care, Accommodation, Offices, Warehousing, Greenhouses

Measurement

Parameters	Range	Resolution	Accuracy
Temperature	-30°C to 80°C	0.1°C	±0.3°C
Humidity	0 to 100%	1%RH	±2%

Electrical Specifications

Power Source	Battery
Battery Type	1.5V AA x 4
Battery Life	2years

Mechanical Specifications

Dimensions	93mm x 93mm x 32mm
Length	93mm
Width	93mm
Height	32mm

Operation Environment Specifications

Operating Temperature Range	-30°C to +80°C
Maximum Operating Temperature	-35°C
Minimum Operating Temperature	80°C0

Protection Category

IP Rated	IP 67

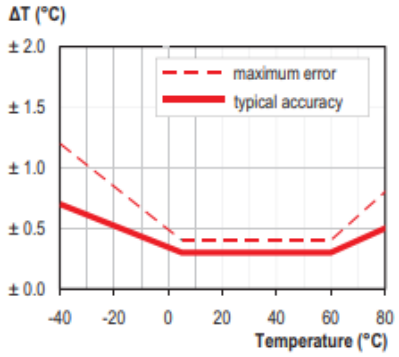
Approvals

Compliance/Certifications	IEEE 802.11bgn (2.4GHz) compliant

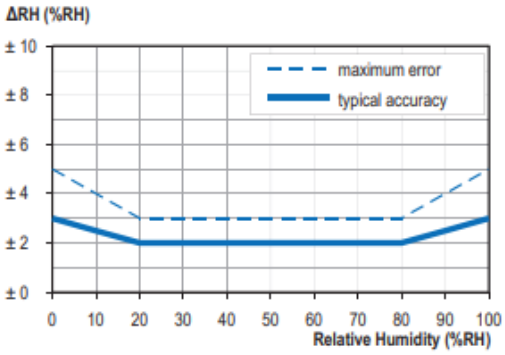
Home
Devices
Data
Audit
Account
Support
New Range of EasyLog Cloud Compatible Data Loggers

SENSOR ACCURACY & INFORMATION

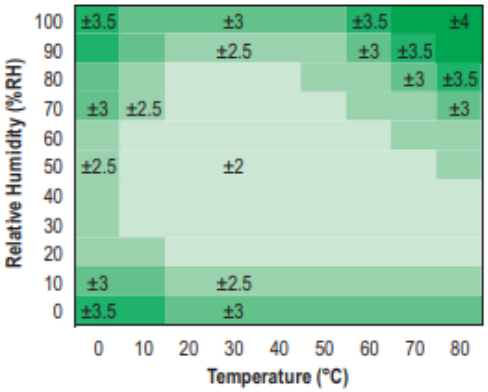
Typical and maximal tolerance for temperature sensor in °C.



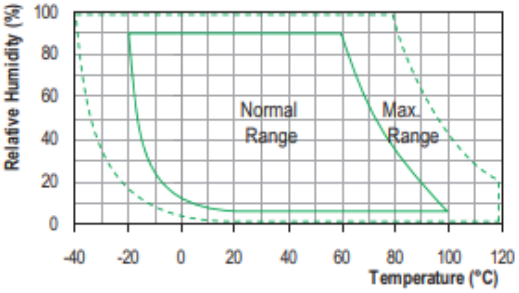
Typical and maximal tolerance at 25°C for relative humidity.



Typical accuracy of relative humidity measurements given in %RH for temperatures 0 to 80°C.



Operating conditions



Long term exposure to humidity levels outside of 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.