

BlueLOG XRH



Temperature and humidity data logger with data transmission via Bluetooth (5.0 m 4.0 compatible) directly to Android and iOS devices via the BlueTrails App. It is possible to set the data acquisition rate and display them in real time on the cell and the alarms are communicated when the temperature and humidity are out of limits (programmable limits). Upon delivery to destination it is possible to send the data by e-mail. By connecting a Bluetooth thermal printer it is also possible to print the data to be attached to the documents upon delivery.

Among the additional features of this version there are the NFC tag for association with the Smartphone placed on the front instead of on the back, the measurement of inclination and shocks, thanks to the 400G accelerometer, the extended memory and an anti-tamper system to verify that it is not removed from its [wall mount](#).



Main features

- Real time data transmission on Android/iOS devices
- Long life battery: 2 years with continuous transmission every 15 minutes
- Real time check against alarm thresholds
- Generates PDF reports via email
- Tilt (16G) and shock (bump, drop, 400G) measurement
- Front NFC tag for association to the Smartphone
- Extended memory for longer missions
- Anti-fraud system coupled with the [wall support](#)
- Optional Reference traceable calibration certificate available

Plus

- No extra accessory: your smartphone is all you need
- Small size suitable for every package and box
- Real time alarms
- Bluetooth printer paired to the smartphone available
- BLE 5.0 for long range transmission

The system

BlueLOG XRH data logger does not need of any additional accessory. Just download the Android and iOS App and you are ready to start using it.

Accessories

- Bluetooth printer

Applications



Cold Chain



Logistic & Transport



Environment



Pharmaceutical



Food & Beverages



Healthcare



Medical



Laboratories

Technical specifications

| | |
|---|--|
| Dimensions | 67 X 20 X 97 (mm) |
| Weight | 18 g |
| Temperature range | -30 °C ÷ +60 °C |
| Standard calibration points (temperature) | 5/30/50°C |
| Extra calibration points (temperature) | Within standard calibration range |
| Temperature resolution | 0,01 °C |
| Temperature accuracy | ± 0,2 °C |
| Humidity range | 0% ÷ 100% RH (not condensing) |
| Standard calibration points (humidity) | 30/50/70% @ 30°C ± 10°C |
| Extra calibration points (humidity) | Within the range 10% ÷ 90% RH |
| Humidity resolution | 0,1% |
| Humidity accuracy | ± 3% RH from 10% to 90% / ± 4% from 0% to 100% |
| Memory (n. of acquisitions) | 8.730 |
| Acquisition step | From 1 minute up (in steps of 1 minute) |
| Buttons and functions | Immediate reading button, stop acquisitions button |
| Functions | Connection, acquisition and alarm LED |
| Functions | Data recording, transmission, alarm |
| Functions | Immediate reading button, Bluetooth pairing button |
| Functions | Tilt and shock monitoring, anti tamper function, buzzer for acoustic alarms |
| Functions | Anti-tamper: Using the wall mount it will indicate on the app when the logger is placed in its support and when it is removed. |
| Communication | Bluetooth BLE 5.0 |
| Battery life | Up to 2 years life with acquisition rate of 15 minutes |
| Battery type | 2 X AA 1,5 V batteries |
| Protection degree | IP67 |
| Software&Mobile App | BlueTrails |
| It requires | Bluetooth 4.0 device or above |