

BlueLOG P-80



Bluetooth temperature data logger, managed through Android devices with BlueTrails App with cable and rigid metal probe of various lengths, calibrated from -80°C up to 20°C; it has a wide range of monitoring applications especially in the food and pharmaceutical industry, for continuous monitoring in ultra freezers. The data logger is paired to a smartphone and transmits data via Bluetooth (5.0 or above) at a programmed rate. Data are displayed in real time as they come and alarms are given when temperature is out of limits (limits can be programmed too). At reach delivery it is possible to send data via email. Connecting a Bluetooth thermal printer data can be printed to be left with delivery documents. The data logger is supplied with **calibration certificate with Accredia** (Italian reference center, NIST equivalent) traceability and the **battery is user replaceable**.



The rigid metal probe is made with stainless steel AISI 316L, food grade, and is available in different types:

- 3 cm length, 4 mm diameter, rounded tip for immersion (ordering code 03)
- 8 cm length, 4 mm diameter, rounded tip for immersion (ordering code 04)
- 3 cm length, 4 mm diameter, pointed tip for penetration (ordering code 05)
- 8 cm length, 4 mm diameter, pointed tip for penetration (ordering code 06)

Cable is 2 mm diameter and has a standard length of 50 cm but it can be ordered longer.

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
- Optional Reference traceable calibration certificate available
- **Can be used to monitor correct anti-COVID 19 vaccines conservation**

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
- User replaceable battery
- Provided with calibration certificate Accredia (NIST equivalent) traceable

The system

BlueLOG P-80 data logger does not need of any additional accessory. Just download the Android 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) |
| Probe dimensions | Cable 500 l X 2 Ø (mm) or longer - Probe 30 or 80 l X 4 Ø (mm) pointed or rounded |
| Weight | 18 g |
| Temperature range | -30 °C ÷ +60 °C |
| Sensor temperature range | -80 °C ÷ +20 °C |
| Standard calibration points (temperature) | -80/-40/0/20°C |
| Extra calibration points (temperature) | Within standard calibration range |
| Temperature resolution | 0,03 °C |
| Temperature accuracy | ± 0.5 °C without certificate / ± 0,2 °C with Accredia traceable certificate (valid in the calibration range) |
| Memory (n. of acquisitions) | |
| 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 |
| Communication | Bluetooth |
| Battery life | Up to 2 years life with acquisition rate of 15 minutes |
| Battery type | 2 AA 1,5 V batteries |
| Protection degree | IP67 |
| Software&Mobile App | BlueLOG Trails |
| It requires | Bluetooth 5.0 or 4.0 device |