

RHTemp80 XL



RHTemp80 XL is a temperature and humidity data logger from 0% to 100% non condensing and from -40°C to 80°C (calibration from 25°C to 80°C), managed with Windows software and USB interface (DiskInterface HS, Universal Multibay). **Battery is user replaceable** and the data logger is **provided with an Accredia (NIST equivalent) traceable certificate** on different points.

It is available the model for up to 125°C.

Among the possible applications there are the drying processes monitoring, especially of pasta, of powders and grains storehouses, of extreme environments.



Main features

- Completely food grade
- User **replaceable battery (software shows battery status)**
- Accredia (NIST equivalent) traceable calibration certificate included
- Available **extended calibration from - 40°C** (order extra calibration points)

Plus

- High accuracy and precision
- Printed reports compliant with health regulations and ISO (data are not editable in the software)

The system

The system is made up by:

- RHTemp temperature data logger
- DiskInterface HS or Universal Multibay
- HumiPressureDisk software or TS Manager software (compatible with the FDA 21 CFR Part 11 regulation)

Accessories

- TS Manager
- HumiPressureDisk
- DiskInterface HS
- Universal multibay
- Battery kit for RHTemp80 XL and RHTemp125 XL

Applications



Food & Beverages



Environment



Validation



Pharmaceutical



Healthcare



Cosmetics



Laboratories



Warehouses



Medical



Industrial

Technical specifications

| | |
|---|---|
| Dimensions | 71 h X 17 Ø (mm) - 18 Ø (mm) PEEK ring |
| Weight | 57 g |
| Materials | Stainless steel AISI316L, PEEK |
| Temperature range | -40°C ÷ +80°C |
| Standard calibration points (temperature) | 23/50°C |
| Extra calibration points (temperature) | Within the range -40 °C ÷ +80 °C |
| Temperature resolution | 0,015 °C |
| Temperature accuracy | ± 0,2 °C (0 °C ÷ +60 °C) / ± 1,3 °C (-40 °C ÷ +80 °C) / ± 2,3 °C (-40 °C ÷ -20 °C) derates linearly |
| Humidity range | 0% ÷ 100% RH (not condensing) |
| Standard calibration points (humidity) | 30/50/70% @32°C ± 10°C |
| Humidity accuracy | ± 1,8% RH (10% ÷ 80%) / ± 4% RH (80% ÷ 90%) @ 23°C ± 10°C |
| Extra calibration points (humidity) | Within the range 10% ÷ 90% RH |
| Humidity resolution | 0,02% |
| Humidity drift | 1% ÷ 2% / year (depends on use conditions) |
| Memory (n. of acquisitions) | 10.112 |
| Battery life | +14.000.000 acquisitions at 1 second step continuously (calculated time @25°C. Battery life may be shorter if used in low temperatures) |
| Acquisition step | From 1 every second up, with 1 second steps |
| Protection degree | IP50 |
| Software&Mobile App | HumiPressureDisk, TS Manager |
| Accessories | DiskInterface HS, Multibay universale |