

# RHTemp80 XL



RHTemp80 XL is a temperature and humidity data logger from -40°C to 80°C (calibration from 25°C to 80°C), managed with Windows software and USB interface (DiskInterface HS, 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 L model too which has same diameter but is shorter because it hosts a smaller battery for a reduced size, along with 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.

There are also other models of high temperature data loggers, for pressure and temperature only too.

## 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

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

## Technical specifications

Dimensions	71 h X 17 Ø (mm) - 18 Ø (mm) peek ring
Weight	57 g



## Applications



Food & Beverages



Environment



Validation



Pharmaceutical



Healthcare



Cosmetics



Laboratories



Warehouses



Medical



Industrial

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 (-20 °C ÷ +80 °C) / ± 2,3 °C (-20 °C ÷ +125 °C) derates linearly
Humidity range	0% ÷ 90% RH (non condensing)
Standard calibration points (humidity)	30/50/70% @ 23°C
Extra calibration points (humidity)	Within the range 10% ÷ 90% RH
Humidity resolution	0,02%
Humidity accuracy	± 1,8% RH (10% ÷ 80%) / ± 4% RH (80% ÷ 90%) @ 23°C ± 10°C
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