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 cetificate 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.



Applications



Food & Beverages



Environment



Validation



Pharmaceutical



Healthcare



Cosmetics



Laboratories



Warehouses



Medical



Industrial

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

Technical specifications

Dimensions	71 h X 17 Ø (mm) - 18 Ø (mm) PEEK ring
Weight	57 g
Materials	Stainless steel AISI316L, PEEK, FKM (o-ring)
Temperature range	-40°C ÷ +80°C
Standard calibration points (temperature)	23/50°C
Extra calibration points (temperature)	Within the range -40 °C \div +80 °C
Temperature resolution	0,015 °C
Temperature accuracy	\pm 0,2 °C (0 °C \div +60 °C) / \pm 1,3 °C (-40 °C \div +80 °C) / \pm 2,3 °C (-40 °C \div -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 reslution	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	TS Manager 3, HumiPressureDisk, TS Manager
Accessories	DiskInterface HS, Multibay universale

