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.



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, 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 ÷ +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 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

tecnosoft
WE DELIVER DATA
Tecnosoft srl
Via Galvani, 4, 20068, Peschiera Borromeo (MI), Italy
T: (+39) 02 2692 2888 - F: (+39) 02 2692 2875
email: info@tecnosoft.eu - web: www.tecnosoft.eu
UNI EN ISO 9001:2008 Certiquality/IQNet N. 17733

