

What solutions can Rotronic offer?

Rotronic offers a range of products for relative humidity and temperature measurement. For spray paint booths, there is a requirement for transmitters, to control the heating, cooling, humidification and dehumidifi-

cation of the air.

Apart from that, Rotronic also offers a range of loggers for room monitoring.

Finally Rotronic also offers a range of portable devices for surface temperature meas-

urements.

To complete the deal, Rotronic also offers a monitoring software that can be used for monitoring the room conditions .



Rotronic products:

Handheld & surface temperature probe:

- **TP22**
Handheld device for interchangeable PT100 probes.
- **AC1913-A**
Kapton Foil probe
-50...120°C
PT100 class A

Datalogger:

- **HL-NT**
47'000 data records /MB
1..7 interchangeable probes
Various analogue outputs, buzzer and LED indication
All psychrometric calculations
FDA 21 CFR Part 11 / GAMP 4 compliant
Display...

Probes:

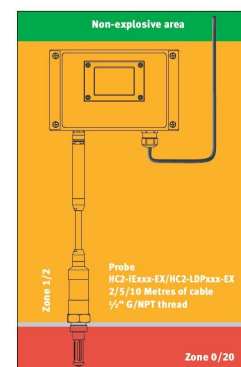
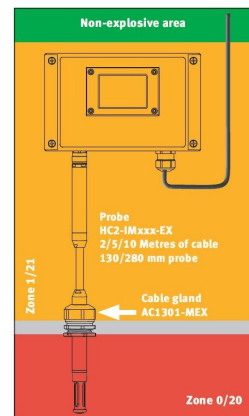
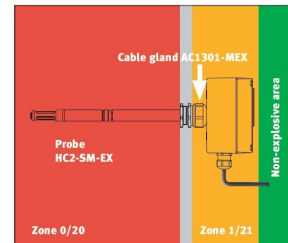
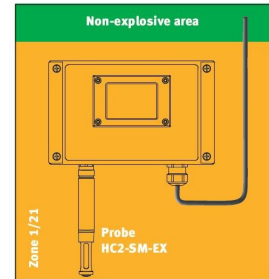
- **HC2-S**
-50...100°C,
0...100%rh,
Ø15mm,
±0.8%rh and ±0.1K...
- **HC2-IM102**
-100...200°C,
0...100%rh,
±0.8%rh and ±0.1K,
2m cable,
Stainless steel housing...

Transmitters:

- **HF5 series**
For interchangeable probes,
2 or 3/4 wire configuration,
Various analogue and digital outputs,
All psychrometric calculations available...

ATEX setup:

- **HF520-EX**
ATEX II 2(1) G Ex eb mb [ia Ga] IIC T5 Gb
ATEX II 2(1) D Ex tb [ia Ga] IIIC T80°C Db
- **HC2-SM-EX**
ATEX II 1/2 G Ex ia IIC T5 Ga/Gb
ATEX II 1/2 D Ex ia IIIC T80°C Da/Db IP66



Customer benefits:

Accuracy:

Choosing Rotronic gives you the best accuracy on the market.

Precise humidity measurements can be obtained: meaning that the quality of the painting will remain outstanding with regards to the relative humidity and temperature requirements.

Additionally the accuracy will lead to lower electricity costs based upon the fact that the

air conditioning system will only be used when necessary.

Communication:

With all of the different communication methods, from RS-485, Wireless to Ethernet RJ45, Rotronic can provide the solution for each installation.

Long term stability:

A long term stability with a drift under 1%rh per year (depending on the environ-

ment).

Calibration and adjustment:

All of the Rotronic products are digital so the whole calibration procedure can be done via a PC, or directly from the device with the help of the Rotronic humidity standards. Rotronic can also offer an ISO-17025 calibration.