



WATER & AIR

Breathable Protective Covers

Relative Humidity and Air Temperature probes can be fitted with a breathable protective cover suitable for use in dusty, marine or corrosive atmosphere environments.

The cover is constructed from a breathable fabric which allows the passage of water vapour through it but restricts water droplets and particulate debris. This protects the delicate RH element from encrustment in dusty environments or from attack by salty or corrosive water droplets.

Due to this extra protection barrier the response time of the probe will inevitably be decreased, but without the breathable covers in place the RH element would be prematurely damaged beyond repair in these kinds of atmospheres.

A second, spare breathable cover is also provided. It is recommended that these covers are periodically replaced as they themselves become encrusted in dust or salt crystals. The covers can be rinsed in de-ionised or distilled water and thoroughly dried before being used again.

The covers are held in place over the tip of the sensor probe (beneath the radiation screen) by means of a cable tie. When replacing please ensure the cable tie seals all the way around the base of the breathable cover.

Dirty breathable covers will decrease the sensor responses to changes in RH and temperature. The frequency of changing these covers will depend on the harshness of the installation environment.



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