



WATER & AIR

Surface Wetness Sensor



Highly durable



Corrosion free design



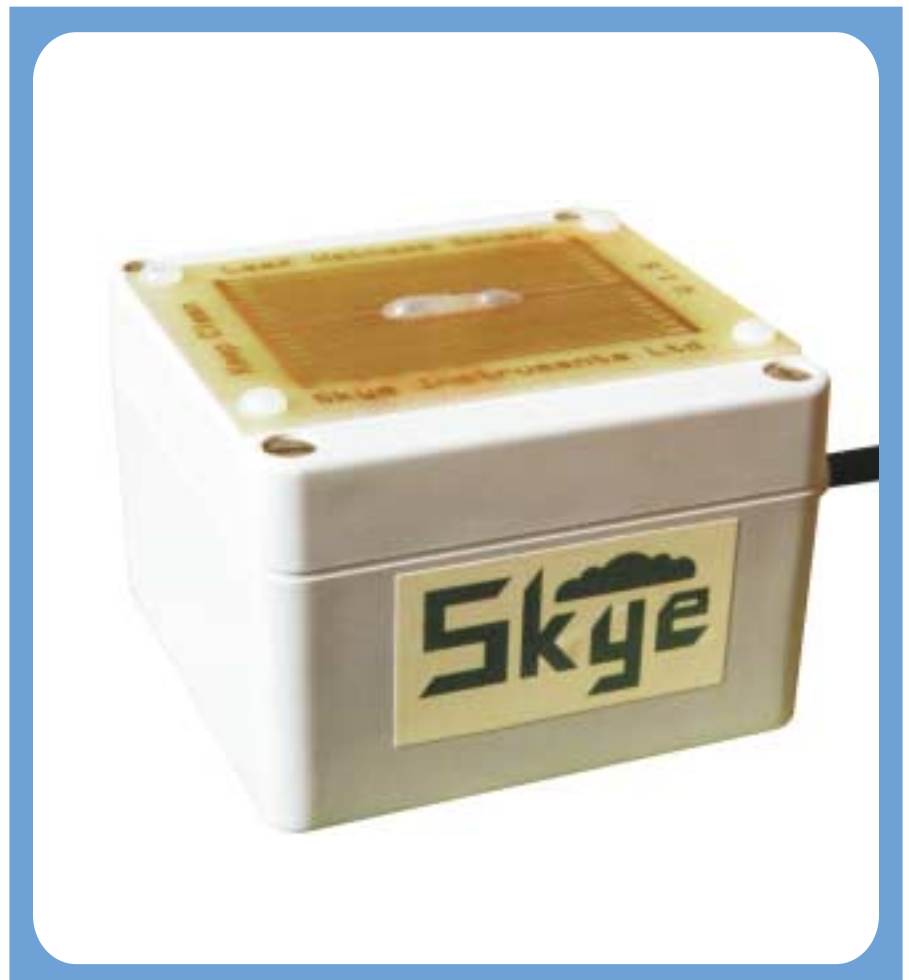
Used in the investigation of weathering effects on surfaces



Used in smart building automation



Used with crop prediction models to monitor the development of pests and diseases. This enables the grower to spray 'Just In Time'



The Skye surface wetness has been designed for outside or green house exposure to detect free water on any similarly exposed surface. e.g., leaves, roofs etc.

The unit is designed to be compatible with all loggers and recording equipment. If one of the standard outputs does not meet your needs, then alternative output options may be specified. Standard options give an analog output of wetness, plus wet/dry outputs with voltage or current.

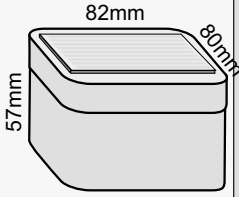
The exposed sensor surface is gold with all fasteners being plastic, which combined with the very low sensing voltages (which approach zero as the sensor is wetted) cause very little electrolysis and thus a closer mimic of an inert surface. This also means the sensor is very resistant to corrosion.

The sensor is completely water proof and sealed to IP65. It may be mounted using four fastening holes provided, on any surface, usually horizontal though any mounting

orientation is acceptable.

To make mounting easier, or to enable the unit to be used as part of a weather station, a mounting arm is available (SKM 226). This enables the unit to be mounted on a vertical pole or horizontal boom between 1" and 2½" diameter. With this arm the unit is 'stood off' from the pole by approximately 300mm to minimise any shadowing effects.

SPECIFICATIONS

| Size | Weight | Cable | Surfaces | Mounting holes |
|--|---|--|---|---|
|  <p>82mm 80mm 57mm</p> | 160g with 3m cable | 4-core black PVC Def std. 61-12 7-1-4C | Gold, polycarbonate & synthetic polyester resin | 4 x 4mm diameter on a 57 x 35mm rectangle |
| Controls | Supply | Outputs | Temperature range | Humidity |
| Mounted internally & user pre-set before use. 3 position sensitivity. Current output on/off selector | DC @ 4.5 mA (Max 20 mA if current output is used) | 0 to 400mV analog wetness $\pm 400\text{mV}$, $\pm 2\text{V}$. 5/15mA wet/dry | -20 to +70°C | 0-100% RH |

ORDERING INFORMATION

Sensor
SKLW 1900

Surface Wetness Sensor

Accessories

SKM 226

Mounting arm with mounting
'V' bolts

Meters and dataloggers (Please see separate datasheet)

SDL 5000

DataHog datalogger

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