



SKLW 1900 Surface Wetness Sensor

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 2 1/2" diameter. With this arm the unit is 'stood off' from the pole by approximately 300mm to minimise any shadowing effects.



Why Buy?

Highly Durable

Corrosion Free Design

Used in the investigation of Weathering Effects on Surfaces

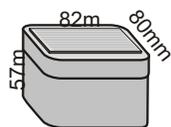
Used in smart building automation

Used with crop prediction models to monitor the development of pests and diseases. This enables

SKLW 1900 SPECIFICATIONS

Weight and Dimensions:

160g with 3m cable



Cable: 4-core black PVC Def std. 6H2 7-1-4c

Surfaces: Gold, Polycarbonate & Synthetic Polyester Resin

Mounting Holes: 4 x 4mm diameter on a 57 x 35mm rectangle

Controls: Mounted Internally & user pre-set before use. 3 position sensitivity. Current output on/off selector

Supply: DC @ 1.6mA (Max 14mA current output used)

Outputs: 0 - 400mV analog wetness +/- 400mV, +/-2V, 3/2mA wet/dry
Other outputs available e.g 0-1V

Temperature Range: -20 to +70°C

Humidity: 0-100% RH

ORDERING INFORMATION

Sensors:

SKLW 1900: Surface Wetness Sensor with 3m cable

SKL 1901: Surface Wetness Sensor with 3m cable and 0-1V output

SKL 1902: Surface Wetness Sensor with 3m cable and 0-2V output

Accessories

SKM 224: Pole Mount for SKLW 1900 series with Short Arm and Fixings

/I: Plug for DataHog2 (add to sensor part number when ordering e.g SKLW 1900/I)

Meters & Loggers

SDL 5000: DataHog2 Data logger

SDL 5000/SD-DataHog2 Data logger with SD Storage

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