

METEOROLOGY

WS 9000 TO WS 9004 Environmental Monitoring – Raingauges Soil and Water /Air Temperature Measuring Sensor

Daily Raingauges

WS 9000 Copper Raingauge, Brannan

Cylindrical copper body with 5" (127mm) diameter funnel and separate measuring jar calibrated in mm and inches. Weather register included.

WS 9000/1 Rain Gauge, Brannan

Cylindrical plastic body with 100 mm diameter funnel. Internal jar acts as direct reading measure in mm and inches. Weather register included.

OSK 15180 Remote Recording Rain Gage, tipping bucket type

The speciality of this instrument is capable of distant spot measuring. Precipitation is measured by a unique mechanism which employs tipping buckets system. Its system is that, as soon as filled up 0.5mm of rainfall, bucket is tipped, at the same time, this is transmitted to event recorder located on remote place through a special reed switch by cable. Since the buckets are specially finished, any waterdrop does not remain in the buckets during the tipping.



Specifications

* Tipping bucket rain gage

Orifice : 20 cm diameter
Calibration : 0.5 mm (0.1, 0.2, 0.25 or 1 mm is also available on request)
Switch : Reed switch, 0.1 sec. closure
Accuracy : Within 2% (at 100mm/hr)
Dimensions : 210 dia. x 450 mm approx.
Weight : 3.7 kg approx.

* Event recorder (standard), Type A

Capacity : Unlimited, automatic zero return from top of chart (50mm rainfall estimation)
Clock drive : Quartz clock
Drum rotation : 24 hours and 7 days (changeable by attached gear)
Power source : DC 3V, 100mA
Chart full scale : 500mm (rainfall) in 0.5mm (rainfall) div. (100 tips)
Effective width of chart : 100mm
Cable : 10m long
Dimensions (approx) : 340W x 240H x 150D mm
Weight (approx) : 4.6kg



Tipping bucket rain gage Event recorder, Type A

Ordering Specifications

WS 9001

OSK 15180-T : Tipping bucket rain gage only (without recorder)

WS 9002

OSK 15180-TA : Tipping bucket rain gage with event recorder, Type A

Optional accessories (at extra cost)

Chart

WS 9003

OSK 15180CH-AD : Daily type

WS 9004

OSK 15180CH-AW : Weekly type



METEOROLOGY

WS 9005 TO WS 9004 Aspiration Radiation Shield Thermometer & Thermohygrographs

WS 9005 OSK 15314 Soil and Water Temperature Measuring Sensor

This sensor measure soil and water temperatur. The sensing element platinum resistance is housed in a stainless steel tube which can be installed underground and in water. The output lead cable in shielded by neoprene waterproof rubber for a long installation period.

Specifications

Measuring method : Platinum resistance Pt 100ohm
3 wires
Measuring accuracy : $\pm 0.5^{\circ}\text{C}$
Measuring range : -10 to 40°C
Converter : See next page

WS 9006 OSK Air Temperature Measuring Sensor

This sensor is used for measuring environmental temperature indoors or in a place without direct solar radiation. The sensing element is a platinum resistance. It is not waterproof.

Specifications

Measuring method : Platinum resistance Pt 100ohm
3 wires
Measuring accuracy : $\pm 0.5^{\circ}\text{C}$
Measuring range : -10 to 40°C
Converter : See next page

WS 9007 Soil Moisture Meter. Brannan

Instantaneous reading of soil moisture. Moulded green case and zoned 4-stage scale. No batteries required. Packed singly with instruction.

Weather Watcher Kit. Brannan

Attractive boxed outfit for meteorologists of all ages. Contains Direct Reading Rainfall Measure with spiked tip; Max-Min Thermometer; and 2-year Log Book with detailed instructions and charts.

WS 9008 With dual scale Max-Min

WS 9009 With Celcius Max-Min

WS 9010 Direct Rain Gauge, Brannan

Reads from 0/50mm (0/2") of rainfall and has moulded spike for inserting in the ground, or other suitable locations. Boxed singly.

Thermohygrographs

Thermohygrograph, hair/bimetal

Weekly/daily recording.

With rotating drum, hair and bimetal detecting elements and recording pen arms mounted in an aluminium alloy case with enamel finish and a hinged transparent cover. Overall 300x165x145 mm, weight 3.7 kg. Supplied with fibre tipped pens. Ranges : humidity 0 to 100 %. Temperature instruments are supplied calibrated 0 to 50°C . The user can select and 50°C span between -30 and $+80^{\circ}\text{C}$ by a simple screw adjustment.

With spring clock movement

Supplied as dual speed for both daily and weekly recording. As supplied the instrument is set for weekly recording but can be converted very easily to daily recording by the user following the instructions provided. Without charts.

WS 9011 Weekly/daily recording

Accessories Charts

In packs of 200

We list below the most popular chart ranges. Other ranges are available to special order.

WS 9012 -10 to $+40^{\circ}\text{C}$ daily

WS 9013 -10 to $+40^{\circ}\text{C}$ weekly

WS 9014 0 to $+50^{\circ}\text{C}$ weekly

Spare Pens

WS 9015 Humidity, pack of 2

WS 9016 Temperature, pack of 2

