PREMIUM ECOLOGY & WEATHER KIT

The Brannan ecology and weather kits provide a selection of weather watcher equipment in a sturdy carry case.

To ensure that meteorological observations are made under the best and most consistent conditions, instruments for outdoor use should be grouped together on a carefully selected site enclosed by open fencing or palings to exclude unauthorised persons or animals. The plot chosen should be on generally level ground covered with short grass and must not be in a hollow or near a steep slope and the site should be well away from trees, bushes, walls or buildings or any other possible obstruction.

Those seeking more detailed information about weather recording are recommended to obtain "The Meteorological Observers' Handbook", from H.M. Stationery Office.

Product features:
· Selection of weather watcher equipment
· Complete with weather register to record measurements
· Supplied in robust carry case with full operating instructions

Contents:
· Mini thermo-anemometer
· Mini thermo-light meter
· Whirling hygrometer
· Rainfall sprinkler measure
· Weather register

· Mini thermo-sound
· Mini thermo-humidity meter
· Soil thermometer
· Indoor outdoor max min thermo-humidity meter

Product specifications:
Gross weight: 1481g (including 505g case)
Gross dimensions: 320mm x 280mm x 119mm

Description	Barcode	Product no
Premium ecology & weather kit	5 011405 257093	25/709/0
Replacement weather register	N/A	13/062/0

MINI THERMO-ANEMOMETER

Easy to use windspeed meter as part of our range of mini environmental meters.

Product features:

- Air velocity measurement
- User selectable units: m/s, ft/min, Km/h, MPH, Knots
- MAX min record and data hold function
- Large backlit colour LCD
- Low battery indicator
- Auto power off - enable/disable function
- Supplied with 3 point calibration certificate
- CE & RoHS/WEEE Compliant

Product specifications:

Measurement	Range	Accuracy	Resolution
Air velocity:	0.4 to 30 m/s	+/- 3% or 0.3 m/s	0.1 m/s
	1.4 to 108 Km/hr	+/- 3% or 1.0 Km/hr	0.1 Km/hr
	0.9 to 67 MPH	+/- 3% or 0.4 MPH	0.1 MPH
	0.8 to 58 knots	+/- 3% or 0.4 knots	0.1 knots
	80 to 5900 ft/min	+/- 3% or 40 ft/min	1.0 ft/min
Temperature:	-20 to +70°C&F	+/- 1.5°C (2.7°F)	0.1°C&F
Data update:	300 ms		
Power off:	Auto shut down after 15 mins inactivity (except when auto off disabled)		
Operating conditions:	-20 to +60°C&F / 10 to 90%RH		
Storage conditions:	-20 to +60°C&F / 10 to 75%RH		
Battery:	3 x AAA (included) Average life - 60 hours on continuous use		
Dimensions:	178.5mm x 56mm x 30.5mm LCD: 30mm x 28mm		
Weight:	106.5g (including batteries)		

Description	Barcode	Product No
Mini thermo-anemometer	5 011405 134707	13/470/0

View me on the website

MINI THERMO-SOUND LEVEL METER

Easy to use sound level meter as part of our range of mini environmental meters.

Product features:

- High accuracy, fast response
- Sound level and temperature measurement
- Wide frequency range
- Over range indication
- Auto power off - enable/disable function
- Supplied with 3 point calibration certificate
- Colour LCD display with backlight
- Max min and data hold
- Fast/slow time weighting
- Low battery indication
- CE & RoHS/WEEE Compliant

Product specifications:

Measurement	Range	Accuracy	Resolution
Temperature:	-20 to +70°C&F	+/- 1.5°C (2.7°F)	0.1°C&F
Sound level:	35 to 135 dB	+/- 2.0 dB	0.1
Dynamic range:	50 dB		
Frequency range:	31.5 to 8 KHz		
Frequency weighting:	A		
Time weighting:	Fast: 125 ms / Slow: 1s		
Data update:	300 ms		
Microphone:	1/2" electrets condenser		
High/low indication:	> 100 dB: LCD displays "Hi" < 100 dB: LCD displays "LO"		
Power off:	Auto shut down after 15 mins inactivity (unless auto off disabled)		
Operating conditions:	-20 to +60°C&F / 10 to 90%RH		
Storage conditions:	-20 to +60°C&F / 10 to 75%RH		
Battery:	3 x AAA (included) Average life - 60 hours on continuous use		
Dimensions:	144mm x 56mm x 30.5mm LCD: 30mm x 28mm		
Weight:	95g (including batteries)		

Description	Barcode	Product no
Mini thermo-sound level meter	5 011405 134714	13/471/0

View me on the website

MINI THERMO-LIGHT METER

Easy to use light meter as part of our range of mini environmental meters.

Product features:

- High accuracy, fast response
- Colour LCD display with backlight
- Max min recording function
- Low battery indication
- Auto power off - enable/disable function
- Automatically revises parameters for nonstandard illumination
- Supplied with 3 point calibration certificate
- CE & RoHS/WEEE Compliant

- Light level and temperature measurement
- Selectable units LUX/FC and °C/F
- Automatic measurement
- Over range indication

Product specifications:

Measurement	Range	Accuracy	Resolution
Temperature:	-20 to +70°C&F	+/- 1.5°C (2.7°F)	0.1
Light:	0 Lux to 200 KLux	<10,000 Lux = +/-3% rdg +/-8d	<1000 = 0.1
	0 Fc to 20 KFc	>10,000 Lux = +/-4% rdg +/-10d	>1000 = 1.0
Sampling rate:	2 rdgs per second		
Spectral response:	CIE photopic (CIE human eye resonse curve)		
Spectral accuracy:	CIE Vλfunction (f1' ≤ 6%, f2' ≥ 2%)		
Over range indication:	LCD displays "-OL-" or "-LO-"		
Photo detector:	Silicon photo-diode with spectral response filter		
Power Off:	Auto shut down after 15 mins inactivity (unless auto off disabled)		
Operating conditions:	-20 to +60°C&F / 10 to 90%RH		
Storage conditions:	-20 to +60°C&F / 10 to 75%RH		
Battery:	3 x AAA (included) Average life - 60 hours on continuous use		
Dimensions:	174.5mm x 56mm x 30.5mm LCD: 30mm x 28mm		
Weight:	115.5g (including batteries)		

Description	Barcode	Product no
Mini thermo-light meter	5 011405 134721	13/472/0

View me on the website

MINI THERMO-HUMIDITY METER

Easy to use thermo-humidity meter as part of our range of mini environmental meters.

Product features:

- Dew point and wet bulb temperature measurement
- Humidity level and temperature measurement
- High accuracy, fast response
- Colour LCD display with backlight
- Low battery indication
- Auto power off - enable/disable function
- Supplied with 3 point calibration certificate
- Max min recording and hold function
- °C/F selectable measurement units
- Over range indication
- CE & RoHS/WEEE Compliant

Product specifications:

Measurement	Range	Accuracy	Resolution
Humidity:	0 to 100% RH	+/- 3.5%RH between 45 and 75%RH otherwise +/- 4.5%RH	0.1
Temperature:	-20 to +70°C&F	+/- 1.0°C (1.8°F) Dew Point Temp: +/- 1.5°C (2.7°F)* Wet Bulb Temp: +/- 1.5°C (2.7°F)*	0.1
Sampling rate:	2 readings per second		
Power off:	Auto shut down after 15 mins inactivity (unless auto off disabled)		
Operating conditions:	-20 to +60°C&F / 10 to 90%RH		
Storage conditions:	-20 to +60°C&F / 10 to 75%RH		
Battery:	3 x AAA (included) Average life - 50 hours on continuous use		
Dimensions:	168mm x 56mm x 30.5mm LCD: 30 x 28mm		
Weight:	106.5g (including batteries)		

* Accuracy of dew point temperature is based on environment condition of 25°C / 40 to 100 %RH

Description	Barcode	Product No
Mini thermo-humidity meter	5 011405 134738	13/473/0

View me on the website

WHIRLING HYGROMETER

Whirling hygrometers, also known as sling psychrometers, employ the "wet" and "dry" bulb principal to determine Relative Humidity (%RH). They are designed to be rotated, by hand, to provide adequate and consistent ventilation of the bulbs.

These hygrometers are spirit filled and replacement refill tubes are available on request. Calibration certification also available.

Product features:

· Whirling hygrometer for measuring %RH
· Supplied with 2pcs replacement wicks
· Complete with carry case and calculator chart (see below)
· Environmentally friendly blue spirit filling
· Replacement tubes available

Product specifications:

Temperature range: -5 to +50°C
Accuracy: +/-1°C
Divisions: 0.5°C
CE/RoHS/WEEE: N/A
Hazard information (SDS): See brannan.co.uk for information
Product dimensions: Net: 82mm x 232mm x 30mm (with handle closed)
Product weights: 206g
Chart: 4g
Carry case: 4g

Description	Barcode	Product No
Whirling Hygrometer	5 011405 137449	13/744/2
Pair refill tubes	n/a	13/044/2

GARDENER'S SOIL THERMOMETER

This type of soil thermometer is frequently used in the agriculture and horticulture industries to check temperatures of soil and compost. The soil thermometer has a green knob at the top to assist with the location of the thermometer after placement.

Product features:

- 210mm thermometer to check temperature of soil and compost
- Green knob at top of aluminium case to assist with location
- For use in agriculture and horticulture industries

Product specifications:

Temperature range:	-15 to +110°C&F
Divisions:	1°C/2°F
CE/ROHS/WEEE:	N/A
Hazard Information (SDS):	See brannan.co.uk for information
Product material:	Case: aluminium
	Glass tube: Kerosene filled
Product dimensions :	Stem case length: 210mm
	Stem case diameter: 9.5mm
	Knob diameter: 22.5mm
	ø9.5mm x 210mm
Product weight:	58.5g

Description	Barcode	Product No
Gardener's soil thermometer	5 011405 134172	13/417/3

View me on the website

RAINFALL SPRINKLER MEASURE

A simple gauge in translucent material calibrated in inches and millimetres.

Product features:

- 100mm diameter rain gauge
- Measuring in inches and millimetres
- Rainfall capacity up to 400ml
- Supplied with rainfall charts. Replacements available

Product specifications:

Range:	0 to 50mm / 0 to 2in
Divisions:	0.5mm / 0.05in
CE/ROHS/WEEE:	N/A
Hazard information (SDS):	See brannan.co.uk for information
Product material:	Crystal styrene
Product dimensions :	Net: ø100mm x 210mm
	Gross: 240mm x 103mm x 103mm
Product weight:	72g

Description	Barcode	Product no
Rainfall sprinkler measure	5 011405 134141	13/414/3
Replacement rainfall record charts	n/a	13/063/0

View me on
the website

Product data sheet

Measurement for life.

INDOOR OUTDOOR MAX MIN THERMOMETER & HYGROMETER

White moulded case with two displays for indoor temperature and humidity or outdoor temperature. Complete with 2m long cable for the outdoor probe, hanging hook and stand.
Replacement probe also available.

Product functions:

- Maximum and minimum recording facility
- Celsius and Fahrenheit switchable
- 2m cable to external sensor
- Main body includes clip and stand
- Available pre-calibrated as part of **Brannan THERM*cert*™** range*

Product specifications:

Temperature range:	Indoor: -10 to +50°C&F
	Accuracy: +/- 1°C
	Outdoor: -50 to +70°C&F
	Accuracy: +/-1°C between -10 and 60°C
	otherwise +/-2°C
Humidity range:	20 to 90% RH
	Accuracy: +/-5%RH between 30 and 90%RH
	otherwise +/-7%RH
Ambient operating temp.:	-10 to +50°C&F
Resolution:	0.1°C / 1%RH
Battery:	AAA or equivalent x 1 piece
CE/ROHS/WEEE:	Compliant
Product material:	ABS
Thermistor probe:	2m cable with stainless steel probe
LCD dimensions:	60mm x 80mm
Product dimensions:	Net: 103mm x 98mm x 21mm
	Gross: 125mm x 100mm x 23mm
Product weight:	Net: 121g (incl. battery & probe)
Display box weight:	Packaging card: 20.5g (incl. instruction sheet)
	Bubble bag: 1g
	Gross: 141.5g

Description	Barcode	Product No
Jumbo max min thermometer & hygrometer	5 011405 124210	12/421/3
Replacement probe	n/a	12/421/1

CE

View me on the website

Measurement for life.

Brannan