

УСТРОЙСТВА ДЛЯ ИЗМЕРЕНИЯ ПОГОДЫ

ИНСТРУКЦИЯ ПО ЭКСПЛУАТАЦИИ

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Якутск (4112)23-90-97
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Казахстан +7(7172)727-132

Киргизия +996 (312)96-26-47

SKYWATCH® AGROS

You have just acquired a piece of high precision equipment which has been created using the most modern technology. It has been designed to stand up to intensive use. However, in order to maintain its appearance and its precision, we recommend that you treat it with care and read this manual carefully.

Remark: The wind measurement (top display) is not used in this device's version.

Caution: This device does not measure the grain moisture, but the air between them.

Function of the buttons

- ON: press 1 second
- * OFF: press 2 seconds (non auto off)
- LIGHT: press on and off briefly
- △ UP: setting mode
START / STOP: chronometer mode
- ▽ DOWN: setting mode
LAP / RESET: chronometer mode
- * SET / CAL: setting mode
- *+▽ RESET MEMORY: press 3 seconds

Configuration

To access the configuration mode of your instrument, just press on the * button. Pressing the * button once again cause the system to confirm the setting if there has been a change. If not then it goes to the next setting. To modify the settings the △ and ▽ buttons have to be used. Here is how to proceed with the different instrument settings.

Temperature measurement unit

Units to be selected are: °F, °C, °F $\frac{1}{10}$, °C $\frac{1}{10}$, °F $\frac{1}{100}$ and °C $\frac{1}{100}$. (°F $\frac{1}{100}$, °C $\frac{1}{100}$ are not used in this device's version).

Humidity measurement unit

Humidity is displayed in a single unit: %rH.

Setting the time of the average

Times to be selected are: --- (weighting), 3", 6", 12", 30", 1', 6', 30', 1:00', 6:00', 12:00', 24:00' or timer \odot .

The Timer mode is used to measure the average, min. and max. over a defined period of time between a start (press △) and stop (press ▽). This time is displayed on the bottom line. This timer allows the use of the LapTime function (press ▽, the symbol \odot flashes). The ▽ button also allows the timer to be reset to zero. This works in the same way as a standard chronometer.

Setting the display of temperature and humidity.

Displays to be selected are: ---, MIN, AV, MAX.

When the selected unit is °F $\frac{1}{10}$ or °C $\frac{1}{10}$, the display setting is limited to --- or MIN.

Temperature measurement (bottom display)

Instantaneous temperature

Important: Thermal inertia of the instrument directly affects the stabilisation time of the measurement. The greater the temperature difference is the longer this time will be. This time will be shorter if the sensor's ventilation is higher.

Min and max temperature

These two modes show the min or max values measured over time of the average. The value is reset to zero during a RESET of the memory.

Dew point

The dew point (°F $\frac{1}{10}$ and °C $\frac{1}{10}$) is calculated taking into account the humidity and the ambient temperature. It gives the temperature at which the water vapour contained in the air has reached saturation point (formation of clouds, fog, dew, condensation on objects, etc.).

Example: At an ambient temperature of 23°C and a humidity of 39.5% rH, the dew point is 12°C.

Humidity measurement (middle display)

Instantaneous humidity

Ambient humidity depends on the temperature. When moving the instrument from a warm environment to a cold environment, the values measured will vary. In the atmosphere, humidity is not uniform, and two locations that are close to each other may give different results. A person perspiring and/or breathing very near the instrument may impact on the measurement.

Minimum humidity, maximum humidity

These two modes show the min or max values measured over time of the average. The value is reset to zero during a RESET of the memory.

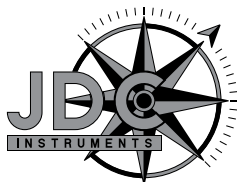
Technical data

- > Backlight
- > Sealed and weatherproof instrument
- > Thread on the bottom of the instrument for fixing to a tripod (1/4")
- > Thermometer precision: $\pm 1^\circ\text{F}$ (at 77°F)
- > Thermometer resolution: 0.1 unit
- > Thermometer measuring range: -4 to +158°F
- > Hygrometer precision: $\pm 3\%$ (20 to 80%rH)
- > Hygrometer resolution: 0.1
- > Hygrometer measuring range: 2 to 100%rH
- > Power supply: 2 batteries, 1.5V AA
- Battery lifetime, at least 3 years with occasional use of the display backlight.
- Low bat indicator. To replace, loosen the three screws on the metal plate.
- > Weight: 235 grams (insubmersible)
- > Dimensions: $\varnothing 65 \times 155$ mm
- > Warranty: 1 year
- > All cable are in PUR

Warranty

Your instrument has a one year warranty, against material or manufacturing defects, from JDC ELECTRONIC SA starting from the date of purchase. The warranty does not cover damage caused by incorrect use.

More information is available on our website under www.jdc.ch.



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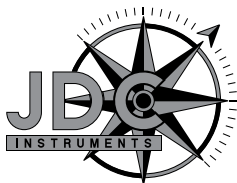
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