

# IRRIGATION & TEMPERATURE CONTROL

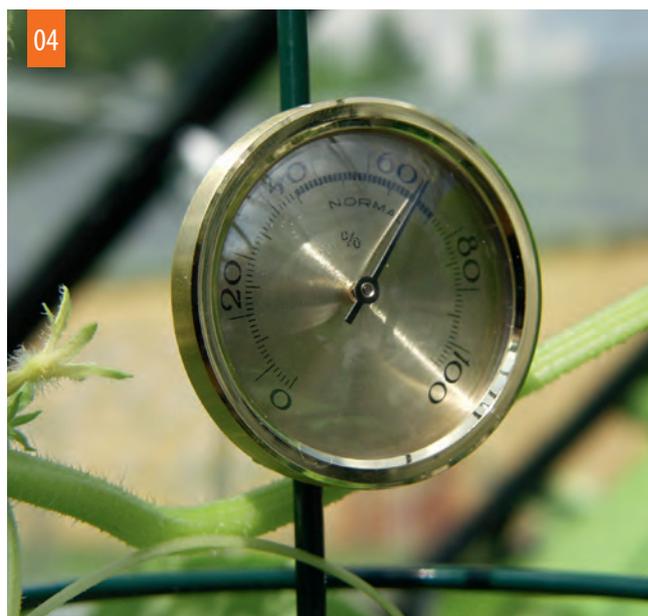
Most greenhouses are sold in the temperate climate zone where the temperatures in the growing season may vary from severe frost at night in the early spring to extreme heat during the summertime. This really gives challenges to the hobby gardener. Luckily Vitavia has the tools to make the climate controlling easier. From a simple thermometer showing the actual temperature inside the greenhouse to the min/max thermometer telling not only the actual temperature but also keeping data about the highest and lowest temperature since the latest resetting of the thermometer. This tells the gardener when to start heating at night to avoid frost damages and when it is time to lower the temperatures at noon, so that no plants will die due to neither too much cold or heat. The soil thermometer is a must for every gardener. It tells him when it is time to start planting in the greenhouse. If the soil temperature is too low, nothing will grow, not even on a beautiful sunny day. The hygrometer functions as an alarm signal. If the moisture level becomes too high the risk for mould and plant diseases increases.



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## 01. THERMOMETER

The thermometer measures the temperature in your greenhouse.

Dimension: W 8 x D 4 x H 8 cm | Measuring range: -20 to + 60°C

## 02. SOIL THERMOMETER

With the help of the soil thermometer the ground temperature can be continuously displayed. The soil thermometer is used to determine whether the soil is ready for planting, e.g. tomatoes require 15 gr., cucumbers 18 gr.

Dimension: W 15,5 x D 4 x H 60 cm | Measuring range: -20 to + 60 ° C

## 03. MIN-MAX THERMOMETER

Displays the current temperature and also indicates the lowest and highest temperatures reached since the last manual reset.

Dimension : W 12 x D 4 x H 22,5 cm | Measuring range: -50 to + 50 ° C

## 04. HYGROMETER

Specifies the percentage value of relative humidity. With the hygrometer you always have humidity under control in your greenhouse. This allows you to determine the optimum indoor climate for your plants.

Dimension: W 15,5 x W 4 x H 22,5 cm



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## 05. HYDROMAT

The automatic irrigation and fertilizer system with 50 drip rods brings water and liquid fertilizer directly to the plants. Just 25 cm high and about 14 cm in diameter it easily fits into small greenhouses – and offers irrigation capacity far beyond the tank, as the temperature-supported pressure valve is connected directly to the faucet. The flow rate can be adjusted via the opening width of the valve. In addition, the valve independently adjusts the amount of irrigation to the air temperature: the warmer it is in the greenhouse, the more water gets to the plants. From the black mini-tank it flows through the supply lines to the flexibly positioned drip rods. The Hydromat works without a pump. It uses gravity to relay the water. Position it as high as possible at the back gable so that the water reaches your plants unhindered.

Dimensions: Ø 12 x H 25 cm | Manifold hose: L 10 m | Drop bars: 50 pieces | Drip distance: flexible | Capacity: 2.5 liters



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## 06. EXTENSION SET FOR HYDROMAT

Product: extension set for the Hydromat with 10 drip rods | Includes: distribution hose, drip hose, two distribution tubes and a Y-shape connector | Special feature: expandable by up to 150 bars



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