NIEUWKOOP

METEN.NL

USER MANUAL

GV2000/2201/2202

GV2210/2211/2212

GV2220/2221/2222

Aqua meter

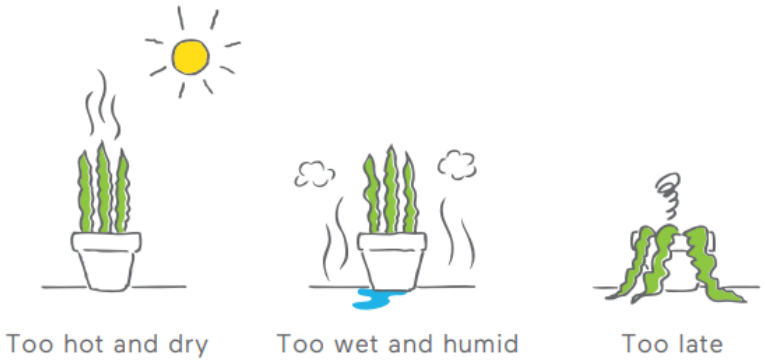
TO MEASURE = TO KNOW

Plants can flourish in ideal conditions. Good sunlight, nutrients and sufficient water.
However, plant watering remains one of the biggest problems faced by many, even by experienced farmers.

So why?

There are many factors that cause this. Too much water can lead to bacteria growth and consequently to root rot which the naked eye cannot see. On the other hand, too little water will also harm your plants.

Sometimes the moisture in the soil varies due to soil type and changing weather conditions, so the frequency of watering needs to change too.
But how to tell when?



The watermeter is not just any aqua meter. It took more than 5 years of Research & Development testing on various plants, soil types and climate conditions in cooperation with agricultural institutions and experienced farmers.

As most plants have an ideal moisture intake., the watermeter measures the moisture level in the soil using pF-Value that is suitable for most plants including orchids, succulents, house plants.

The watermeter can also be reused by replacing its inner core with refills after 6 to 12 months (depending on soil type and condition).

How to use

1 Set
Insert into the soil at the base of a potted plant in between the two ▼▲ markings.

2 Water
It will change color from white to blue within 20 to 30 minutes after watering.

3 Monitor
Blue -> enough water in soil
White -> in need of watering

How long can the watermeter last?

The core will deteriorate over time.
The table on the right shows the average lifespan of the watermeter in different types of soil as tested.
Depending on the bacterial content in the soil, the depletion rate may vary.

Type of soil	Average Lifespan
Organic culture soil	About 6 to 9 months
Inorganic soil	About 6 to 12 months
Hydroculture	About 1 to 2 years
Bog moss / Bark	About 1 to 2 years
Peat moss	About 1 year

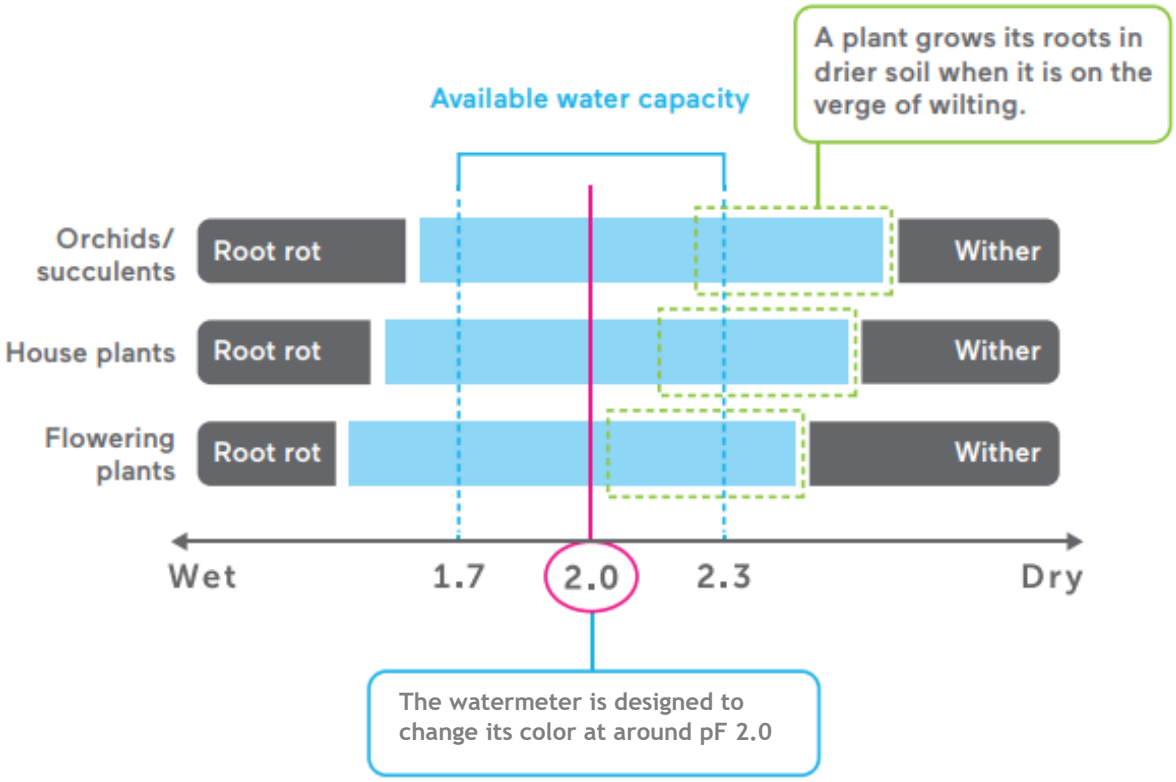
pF- value?

pF stands for “potential force" and describes the effort it takes the plants' roots to extract water from the soil. The watermeter can monitor that!

"High pF-value" means that it takes the plants a lot of effort to extract water, which in turn suggests that the soil is rather dry.

"Low pF-value" means that the plants can extract water easily, which in turn suggests that the soil is wet.

There is a pF-value spectrum which is good for all plants, enabling them to extract water stress free. This is called the ideal moisture level. The watermeter is designed to change its color from white to blue at a pF-value of 2.0 which is the ideal moisture level.



Size / weight

S Pot size 2, 2.5, 3 Diameter 6 ~ 9 cm	Pots that can be lifted with one hand.	 W10mm x D8mm x H120mm / 4,3 g
M Pot size 3.5, 4, 5, 6 Diameter 10,5 ~ 18 cm	Pots that can be lifted with two hands.	 W10mm x D8mm x H180mm / 5,9 g
L Pot size 6 ~ 12 Diameter 18 ~ 36 cm	Large pots that can only be lifted with excessive force.	 W10mm x D8mm x H255mm / 8,0 g

The watermeter is made with 100% recyclable parts.
It can also be reused by replacing its inner core with refills after 6 to 12 months (depending on soil type and condition).

Body: polycarbonate / Inner core: cotton paper

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