



**NIEUWKOOP**

# USER MANUAL



## GV1000 – GV1020

TENSIOMETER 30 & 60CM



TO MEASURE  TO KNOW



## General

The simple and highly practical soil moisture tester is available from Nieuwkoop BV or your local dealer. A soil moisture tester of simple design? Yes – such a tester exists! And it's novelty in this field too. And it's really a tester of simple design. Now you need no longer extract the tester from the soil. Just make sure it is properly inserted and all you have to do is read off the soil moisture content.

Reading the meter is very simple too: the scale graduation is made in three colours to indicate dry, moist or wet, so that you can see at a glance what condition your soil is in.

This simple reading makes for fast and efficient working in the horticultural and agricultural field and particularly when you see several testers in various spots you will be able to readily know where and how much watering is required.

### User-manual:

- I Fill the tube all the way with distilled water or boiled water. With the supplied syringe you can extract all air-bubble, which are inside the tube, this is very important because air inside the tube makes the measurement very slow.
- II Seal the tube with the rubber plug, make sure that is pressed on sufficiently.
- III Insert the tester in the soil in a hole and pack down the loose soil firmly. We advise you to wait with the measurement for the next day because then you are sure that the structure of the soil is back to his original structure again because making a hole for the tube disturbs the structure of the soil.
- IV Beware of the ceramic part this is fragile!

### Important for a correct measurement:

- I When the water level in the tube has gone down for more than 1 cm, we recommend you to refill the tube completely full because air inside the tube makes the measurement very slow.
- II Make sure to periodically clean the white ceramic part with a household cleaning soap and a brush. For example every 6 months.
- III The tensiometer cannot be used in temperatures below 1 °C.
- IV The tensiometer is also available with an on/off contact or a 4-20 mA output to a irrigation-unit, alarm or computer.

### Technical specifications:

Brand	: Nieuwkoop Aalsmeer Holland
Range	: 0 - 350 H <sub>2</sub> O cm / 1.0 - 2.5 pF / 0 - 350 hPa
Max. depth	: 300 of 600 mm (depending of model)
Weight	: ± 275 gr.
Accessories	: User-manual, syringe 60 cc and plastic cover.



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