EC-Meter 13005030
pH-Meter 13005040

ScanGrow Conductivity Meter

A small and handy instrument, developed for nurseries and agriculturists requiring quick and accurate measuring of the irrigation water conductivity. The conductivity, an expression of the salt content of water, is measured in mMho/m Siemens. ScanGrow Conductivity Meter has automatic temperature compensation, so temperature measuring using a thermometer and the resulting correction calculation is unnecessary.
ScanGrow Conductivity Meter will turn off automatically after use.

Measuring of Conductivity

The measuring cell is **filled** with the liquid required to be measured.
The button at the front is pushed.
The conductivity may now be read straight from the display.
On account of the temperature compensation, the final reading should not be made until after app. 30 sec.
Each instrument is accompanied by a bottle containing a 5 mMho control liquid. When the measuring cell is filled with this, the instrument should read 5 mMho ± 0.2, thus ensuring that the reading of the instrument will be correct.
If the reading is too low, the electrode should be cleaned.
For the cleaning use hydrochloric acid for a couple of minutes. Be sure to rinse the electrode well off the acid since the slightest trace of acid will result in too high measurements. Also the water should be shaken well off the measuring cell since you would otherwise get too low measurements.

Data:

Measuring Range:	0-19,9 mMho/m Siemens
Reading:	LCD 12,5 mm
Accuracy:	± 0,2 mMho/m Siemens
Electrode:	Dip electrode with full temperature-compensation
Power Supply:	9 V Battery
Battery life:	App. 300 hours. Automatic indication of worn-out battery. >LOWBATT< appears on the display.
Accessories:	Syringe for sampling 5 mMho Control Liquid.

ScanGrow pH-Meter

Is built up in a sturdy, splash-proof cabinet, especially developed for use in nurseries and with agriculturists requiring control of the irrigation water pH value.
ScanGrow pH Meter will turn off automatically after use.

pH-Measuring

Before measuring remove the protective hood of the electrode and then lower the latter into the liquid required to be measured. After this activate by pushing the button at the front, and the result may then be read straight at the display.
After use, remember to put on the protective hood.

pH-Electrode:

To ensure max. electrode life, the following rules for use and storage should be observed:

1. When the instrument is not being used, the protective hood should always be mounted at the electrode. In order to avoid drying out, the protective hood must be filled with pH-7 solution.
2. Do not expose electrode to any impacts or blows.
3. Do not touch the pH sensitive glass bubble by anything but moist cotton wool or similar. Any incrustations may be removed by rinsing the electrode in a mild soap solution and leave it there for an hour or so. Then rinse in distilled water, and leave the electrode in a pH-7 solution for some hours in order to reactivate the electrode.
4. If the electrode has not been used for a considerable period of time and has dried out, it may usually be reactivated by leaving it in a pH-7 solution for app. 12 hours.
5. Do not use the electrode in solutions in which there may be sharp objects, which may damage the glass bubble.

Data:

Measuring Range:	0-14 pH
Reading:	LCD 12,5 mm
Accuracy:	1 %
Electrode:	Combination Reference Electrode
Power Supply:	9 V Battery
Battery life:	App. 300 hours. Automatic indication of worn-out battery. >LOWBATT< appears on the display.
Accessories:	Syringe for sampling pH-7 Control Liquid.

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