

10190

AM 5000

Information

Direct measurement of soil salinity

The AM 5000 means the latest step of development of all activity meters. The production is based on modern SMD-technology which is considered to be much more reliable and temperature-resistant than the conventional wire technology. The rugged housing is splash-proof and field-ready – the operation of the instrument is convenient and simple.

The instrument is checked and calibrated before leaving the factory – a re-calibration is not necessary. The probes are made of stainless steel and are available in three different lengths. A special maintenance or storage of the equipment is not required.

Tables with optimal salt concentration values for all plants ensure an easy and fast interpretation of the measured results. The meter is delivered with those comprehensive tables and a detailed instruction manual.

Features:

- Direct measurement of soil salinity with consideration of the relevant soil properties, like soil moisture, temperature and soil compaction.
- Always ready to go: The unit is delivered in a sturdy aluminium case, with all accessories stored safely and within reach.
- Multilingual: Easy to understand menu is available in three languages: German, English and Russian.

Recommended applications of the portable AM 5000 to measure soil salinity on the spot – without conducting soil sampling and soil preparation:

- Pot plant production in all terms of plant status, propagation, maturity, etc.
- Nurseries: container plants, particularly if slow-release fertilizers are applied
- Landscape: golf course greens, sports grounds, etc.
- Peat production for immediate check during production process
- Compost plants: to avoid excess of salt concentration in compost soils
- Communities, local governments: determination of soils charged with chloride after winter period
- Consultants, advisors, salesmen, etc.
- Universities, schools, horti-/agricultural educational institutes

Technical Specifications

Technical data:

- Housing: splash-proof, rugged
- Connector: 8-pin-plug
- Power: > 4000 measurements, 9-Volt-battery
- Display: alphanumeric, reflective
- Dimensions: 180 × 83 × 55 mm
- Weight: 300 g

Activity measurement

- Measuring range: 0 – 2.99 activity in g/l
- Resolution: 0.01 activity in g/l
- Calibration: factory calibration, stable
- Probe: stainless steel with special 2-pol-sensor
- Probe length: 250, 500 or 750 mm
- Application: direct measurement of soil salinity

Data logger function

- Measuring rate: 1 min – 24 h
- Memory: ca. 2,620 measuring values

Delivery contents: COMBI AM 5000 basic unit incl. data logger function, stainless steel AM probe, 25 cm, manual with optimal values, certificate of calibration, transport and storage case.