

## AM-100-7 probe

- ✓ wireless
- ✓ constant monitoring of relevant growing media parameters
- ✓ measurement results available on-line, from anywhere on mobile devices

The AM-100-7 probe is a dedicated device for remote monitoring of growing media moisture and Ec (electrical conductivity – conductivity) as well as air temperature and light intensity. The application area of the probe includes various types of horticultural crops, where there is a need for precise determination of the parameters measured by the probe.

The growing media and air parameters measured by the AM-100-7 probe are sent wirelessly to the AM-BLE communication gateway of the AGREUS® System, and from there further, via GSM, to an on-line application accessible both via a web browser as well as in a dedicated application on the mobile devices (Android).

### Possibilities of using a small probe:

- Decision-making for irrigation, fertilisation, heating and lighting of plants
- Automation of the above-mentioned processes, thanks to the decision-making algorithms of the AGREUS® System
- Definition of thresholds for all measured parameters, the exceeding of which generates an alert to the user (e-mail)
- Analysis of historical measurement data

### KEY FEATURES

- Wireless – transmission of measurement data takes place via Bluetooth 4.1, thus eliminating the risk of damage to cabling by agricultural machinery or animals
- Range of up to several meters from the AM-BLE communication gateway
- High frequency of measurements – every 10 minutes
- Possibility of calibrating the measurements to the type of growing media in which the probe is installed
- Battery powered – provides continuous probe operation for approximately 1 year
- Resistant to environmental conditions IP54



# AGREUS®

## AM-100-7 probe

### Technical data

#### General

- Connectivity: Bluetooth 4.1
- Colour: white
- Power supply: CR2032 battery
- Battery life: up to 1 year
- Dimensions: 120 x 24 x 12 mm
- Length of measuring probe: 70 mm
- Weight: 80 g

#### Monitoring parameters

- Growing media moisture content (%)
- Ec of the growing media (salinity) (mS/cm)
- Light intensity (lux)
- Air temperature (°C)

