



Wireless module for crop measurement

The Wireless Value LC100 measures part of the steel wire on which the crop hooks hang. With two LC100 sensors, it is therefore possible to measure an entire section of crop. The LC100 is the ideal module for wireless weight measurement with high accuracy. The sensor is suspended between the greenhouse structure and the steel wire with crop hooks. The LC100 transmits the measured data in grams, which makes it easy to use.

Features

- Accurate wireless detection
- Measuring crop over several metres
- Compatible with all Wireless Value base stations
- Range 1,000 metres (unobstructed line of sight)

Applications

- Horticulture

Specifications

- Memory to store 10,000 measurements
- Adjustable measurement interval
- Attractive ABS enclosure
- Suitable for covered fruit and vegetable crops
- Existing system can be easily expanded with additional sensors
- Unique network ID

The connected base station sends the sensor values to:

- Wirelessvalue.online
- Wirelessvalue.online (with direct connection to climate computer)

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Technical specifications

| | |
|---------------------------------|---|
| Model | wireless module |
| Type | 100 kg load cell |
| Sensor type | external |
| Measurement range | |
| Range | from 0 – 100 kg |
| Measurement accuracy | |
| Accuracy | ±0.002 kg (load cell excluded) |
| Resolution | grams |
| Input impedance | 100K Ohm |
| Reference output voltage | 2.5 V (max. 15 mA) |
| Max. strain gauge resistance | 1K |
| Overload protection | 30 V |
| Measurement interval (M) | adjustable between 1 second and 255 minutes, standard 2 minutes |
| Operating limits | -20°C to +80°C |
| Power supply | battery |
| Memory | 10,000 measurements |
| Order code South America (Peru) | WSW-DLXlc-100kg |
| Frequency plan | US902-928 |
| Frequency | 916,500 MHz |
| Legislation | RED, CE |
| Range | 1,000 m with unobstructed line of sight |
| Enclosure | IP30 |
| Colour | Grey RAL 7035 |
| Dimensions | 10 (w) x 10 (l) x 58 (h) mm, excl. suspension hooks |
| Weight | 675 g (excluding battery) |
| Configuration | SensorGraph or Wirelessvalue.online |