Plant Transpiration Rate Meter TPZT－1000

Product Characteristics

- Multiple parameters tested: test air temperature, leaf temperature, air humidity, PAR etc at same time,and count the transpiration rate and Stomatal conductance accordingly.
- Intelligent: Menu display and Cursor operation; test process and results displayed in real-time, with small size, light, portable and one-person operation.
- Widely application: with different leaf chamber, the meter is able to be used in field crops, fruit and vegetables, hay etc which are in different shape
- Cost-efficiency: very competitive price and convenient maintenance.

Technical parameters

No.	Parameter	Specifications
1	Air Temperature (TL)	High-accuracy digital sensor (Swaziland) Range: 0－50℃ Resolution: 0.1℃ Error: ±0.2℃
2	Leaf Temperature (TC)	Platinum sensor Range: 0－50℃ Resolution: 0.1℃ Error: ±0.2℃
3	Air Humidity (RH)	High-accuracy digital sensor (Swaziland) Range: 0－100% Resolution: 0.1% Error: ≤±3%
4	PAR	Silicon photocell with correction filter Range: 0－2500 μmol/m²/s Accuracy: <5 μmol/m²/s

No.	Parameter	Specifications
5	Flux	Glass rotameter
6	Leaf Chamber Size	Standard: 55 mm × 20 mm Customizable available
7	Work Environment	Temperature: 20－50℃ Humidity: 0－100% (non-condensing)
8	Power	DC 7.4V Li-ion Battery Runtime: 7－9 hours continuous operation
9	Data Storage	2GB SD card
10	Display	320 × 160 lattice screen
11	Dimensions	260 × 260 × 130 mm
12	Weight	3.25 kg

Stem Psychrometer TPJL-1000

Introduction:

This instrument uses the heat dissipation probe to measure the instantaneous runoff density of the trunk. It can continuously observe the sap flow of the trees for a long time, which is conducive to studying the water exchange law between the trees and the atmosphere. And use this as a means of observation to monitor the impact of forest ecosystems on environmental changes for a long time.

Features:

- Probe can be reused: Double Probe,drilling tool
- Constant temperature heating: adopt heat dissipation method,stable data
- Durable: stainless steel probes.
- The collection time interval (1-99) and the end time can be set. The standard SD card has no upper limit for data storage and can be exported and analyzed.
- Customizable AC/DC dual-purpose instruments.