

Plant Lodging Resistance Tester



Features:

- * Accurately quantify stem lodging resistance and predict lodging risk in advance.
- * Multi-dimensional monitoring (toughness, diameter, fixation force) with scientific and reliable data.
- * Non-destructive measurement without damaging crops, suitable for real-time field monitoring.
- * Easy and efficient operation, suitable for both scientific research and production scenarios.
- * Guide variety screening and field management to improve the stability of crop yield.

Technical Parameters:

Model	PLR-1	PLR-2
Max Load	500N	50N
Load Accuracy	±0.5%	
Resolution	0.1N	0.01N
Support Span	Adjustable(Up to 30 cm)	
Unit	N, Kg and ib	
Power Supply	Rechargeable lithium battery	
Packing Size(W*D*H)	300*200*100mm	
Gross Weight	2kg	

Plant Transpiration Rate Meter



Introduction:

It is a scientific research plant porometer with open circuit measurement. It is used to measure the influence of various factors on the stomatal behavior of leaves. It can easily, repeatedly and accurately calculate stomatal impedance, stomatal conductance and transpiration rate. It is widely used in the research of water physiology of plant leaves, crop water utilization, water stress damage, and biochemical control and regulation effects.

Features:

- * Data transmission: USB connection to the computer can be directly exported data.
- * Data storage: memory 16G, can be expanded to 32G.
- * Display: 3.5"TFT true color LCD color monitor, clearly visible under bright light.
- * Buttons: Easy to operate, can be set to modify the date, time, measurement interval, data collection times and test name.

Technical Parameters:

Model	PTRM-3080C	
Air Temperature	Range	-20~80℃
	Resolution	0.1℃
	Error	±0.2℃
Leaf Temperature	Range	-20~60℃
	Resolution	0.1℃
	Error	±0.2℃
Air Humidity	Range	0~100%
	Resolution	0.1%
	Error	≤1%
PARin(Optional)	Range	0~2500μmolm/m²·s
	Accuracy	±5μmolm/m²·s
	Response Wavelength Range	400~700nm
PARout	Range	0~2500μmolm/m²·s
	Accuracy	±5μmolm/m²·s
	Response Wavelength Range	400~700nm
Leaf Chamber Size	Type I:	30*10mm
	Type II:	30*20mm(Standard)
	Type III:	30*30mm
Power Supply	DC8.4V rechargeable lithium battery	
Packing Size(W*D*H)	550*400*300cm	
Gross Weight	10kg	