# 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 |