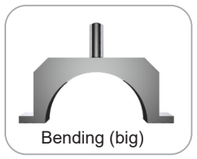

TP-YYD-1

Stem Stength Tester

Introduction

The plant stem strength tester is used to measure the stem strength of plants such as corn, sorghum, tobacco, etc. It mainly uses pressure sensors to detect the bending, compressive strength, puncture strength, etc. of the stem, and is particularly suitable for agricultural genetic breeding and crop quality variety research.

Features

- Multi-functional probes: Equipped with needle, hook, and pressure plate probes to measure stem bending resistance, compressive strength, and puncture strength.
- Detachable main unit design: When detached, the host directly connects to measurement probes .
- Group Data Display: Shows average, max, min per group. Supports ≤200 groups (96 entries each).
- Auto-Peak Detection: Tracks real-time and peak values with hold function.
- Data Management: Save records with Peak, time, location, ID. Search and delete by time or ID.
- Large Storage: Holds 10,000+ entries.
- Long Battery: 12-hour continuous use per charge.
- Alerts: Audible warnings for overload/low battery.
- Screen Rotation: Adjust display orientation for viewing angles.
- Energy Saving Design: Adjustable brightness, backlight, auto-shutdown.
- Multi-Platform Access: View data on device, computer, mobile, or cloud.
- Wireless Transfer: Bluetooth sync to mobile(app), then uploadable to research platforms.

Product information

dimensions	Host: 206 mm (L) * 85 mm (W) * 40 mm (H); Test bracket: 154 mm (L) * 237 mm (W) * 420 mm (H)
Measurement range	500N
Measurement unit	kg、N、lb
Resolution	0.01N
Measure stem thickness	0-40mm
Measurement accuracy	0.1% FS
Angle measurement range	0 ～ ±90°
Angle resolution	0.1°
Angle accuracy	0.1°
Power supply	AC100 ～ 240V 50/60HZ