



TP-GY-4

Portable Fruit Hardness Meter (Digital Display)

Introduction

This instrument is a professional handheld portable measuring tool designed specifically for agriculture, food processing, and scientific research fields, used to accurately measure the hardness of fruits and vegetables. By scientifically accurate measurement, we help users optimize picking time, evaluate product quality, develop storage and transportation plans, and ensure the quality and market competitiveness of the final product.

Features

- **Multiple Probes:** 3 standard sizes for measuring various fruits (soft/hard).
- **Group Data Display:** Shows average, max, min per group. Supports ≤200 groups (96 entries each).
- **Optional Bracket:** Operates standalone or with a dedicated test rig to boost accuracy.
- **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.
- **Units:** Switch instantly between kg/cm², N/cm², lb/cm², kPa.
- **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

Appearance Dimensions	206mm (L) * 85mm (W) * 40mm (H)
Pressure Head Diameter	1 #: Φ11.1mm、2#: Φ7.9mm、3#: Φ3.5mm
Maximum Load Values	1 #: 52 kg/cm2, 2 #: 102 kg/cm2, 3 #: 520 kg/cm2
Measurement Unit	kg/cm2、N/cm2、lb/cm2、Kpa
Resolution	0.01 N/cm2
Measurement Accuracy	0.1% FS
Depth of Pressure	10mm
Power Supply	AC100 ~ 240V 50/60HZ
Net Weight of Product	< 500 g