



**TP-GWJ-2**

# Portable Grain Hardness Meter (Digital Display)

## Introduction

This instrument is suitable for scientific research and teaching in the agricultural industry, specifically for testing the hardness of grains (corn, wheat, rice, rice, etc.), and can also be used for hardness testing of horticultural seeds, pills, nuts, cookies, etc. The instrument adopts advanced force measurement technology and has a beautiful appearance. It can be handheld measured at the acquisition site or tested on a laboratory workbench.

## Features

- **Versatile Use:** Measures hardness of grains (corn, wheat, rice, soybeans), seeds, pills, nuts, biscuits, and more. .
- **Group Data Display:** Shows average, max, min per group. Supports ≤200 groups (96 entries each).
- **High Accuracy:** Uses advanced pressure and tilt sensors for non-destructive, real-time force detection.
- **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, N, lb, 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	340mm (L) * 85mm (W) * 49mm (H)
Maximum Load Value	50 kg; 500 N
Measurement Unit	kg、 N、 lb
Resolution	0.01 N
Measurement Accuracy	0.1% FS
Power Supply	AC100 ~ 240V 50/60HZ
Net Weight of Product	< 1000 g