



Portable Grain Hardness Meter LD-PGHM-A10

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Overview

The LD-PGHM-A10 Portable Grain Hardness Meter is designed for rapid and accurate hardness measurement of grains and other agricultural products. Utilizing advanced force measurement technology, it delivers reliable, non-destructive testing in both field and laboratory environments. Its compact, handheld design and intelligent data management make it an ideal solution for routine quality assessment and research applications.

Features:

- Suitable for testing grains, seeds, pills, nuts, biscuits, and similar materials
- Advanced pressure and tilt sensors ensure precise, non-destructive measurements
- Displays average, maximum, and minimum values for each test group, with storage for up to 200 groups (96 measurements per group)
- Stores over 10,000 test records with sample ID, time, and location information
- Supports wireless Bluetooth data synchronization to mobile devices and cloud platforms
- Audible alerts for overload and low battery conditions
- Adjustable screen orientation, brightness, backlight, and auto power-off for user convenience
- Supports multi-platform data access via the instrument, computer, mobile devices, and cloud
- Bluetooth connectivity enables wireless data synchronization with the mobile app and seamless upload to research platforms
- Long-lasting rechargeable battery provides up to 12 hours of continuous operation

Applications:

The LD-PGHM-A10 is widely used in agricultural research institutes, grain quality inspection laboratories, seed testing centers, food processing industries, and educational institutions for evaluating the hardness of grains, seeds, and food products.

Specifications:

Net Weight	< 1000 g
Resolution	0.01 N
Maximum Load	50 kg / 500 N
Power Supply	AC 100–240 V, 50/60 Hz
Battery Runtime	Up to 12 hours
Measurement Units	kg, N, lb
Measurement Accuracy	±0.1% FS
Product Dimensions (L × W × H)	340 × 85 × 49 mm