

INTRODUCTION

Fruit hardness is the universally accepted measure of fruit ripeness. The fruit penetrometer accurately measures fruit hardness by measuring the force required to push a plunger tip (of a certain size) into fruit and vegetables.

The Penetrometer is ideal for testing a wide range of fruits and vegetables. The force measurement provides the necessary information for growers to determine the best picking time, and to monitor fruit ripening and softening during storage.

Naturally, different fruits and vegetables will vary: varieties, geographical location and climate will all affect the appropriate firmness for picking a particular fruit. Recommended measurements are used as a guide, the growers using their experience and expertise to establish the precise firmness value applicable to their particular variety and environment.



FEATURES

- High Accuracy and Resolution
- Set Tolerance limit(up and down limit)
- Communication interface: RS-232-USB
- Determine fruit quality during harvest, shipping, receiving, processing, storage.
- Light-weight, Compact Size, Portable
- Peak Hold Function, Data Storage
- Plunger tip marked for accurate penetration depth

TECHNICAL SPECIFICATIONS

Maximum Load:	20kg/44lb/200N
Resolution / Display:	0.01kg/0.01lb/0.1N
Accuracy:	±0.5%
Plunger Diameter:	3.5mm, 8mm, 11mm
Insertion Depth:	10mm
Dimensions & Weight:	L245mm x W66mm x H36mm, 1.5kg
Power supply:	Input 110~240V, 50-60Hz 200mA- Output 9.4V 600mA Battery: Ni-Hi 7.2V 800mAh
Display:	Digital