

ACUCAL SERVICES

High Tech Quality Instruments

DIGITAL FRUIT PRESSURE TESTER + TEST STAND

Type: ACSY4PA

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.

It can also be assembled on a **special test stand**, which can improve the accuracy of testing and is suitable for professional testing departments.



FEATURES

- Using the Screw Drive technology, the operation is stable. The Displacement is stable and the test accuracy is high.
- 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

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HARDNESS OF SOME COMMON FRUITS:

Apple : 8.0~9.2 kg/cm²

Peach: 10.0~13.5kg/cm²

Kiwifruit: 8.2kg/cm²

Strawberry: 0.55~0.68kg/cm²

Plum: 3.4~4.2 kg/cm²

Pear: 7.5~7.7kg/cm²

Grape: 0.2~1.3kg/cm²

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 W66m x H36mm, 1.5kg
Power supply:	Input110~240V, 50-60Hz 200mA- Output9.4V 600mA Battery: Ni-Hi7.2V 800mAh
Display:	Digital

APPLICATIONS:

