



National Award for
Outstanding Entrepreneurship - 2010

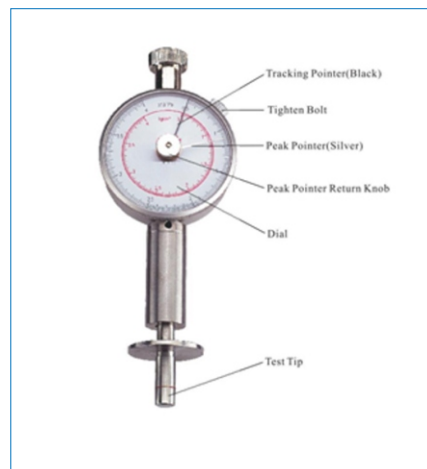


National Award for
Quality Products in Instrumentation - 2002

Fruit Firmness Tester : Series 6003 (Standard)

Introduction

Fruit Firmness Tester (also known as a Fruit Pressure Tester) is a penetrometer that measures fruit firmness and provides a quick, easy and, according to university studies, accurate method to determine fruit maturity. Firmness or degree of softness is used world wide as a test of ripeness & maturity of many fruits.



Specification

Model	6003 BS	6003 CS	6003 DS	
Capacity	0.5-4kg/cm ² (x10 ⁵ Pa)	2-15kg/cm ² (x10 ⁵ Pa)	0.5-12kg/cm ²	1-24kg/cm ²
Resolution	0.02kg/cm ²	0.1kg/cm ²	0.1kg/cm ²	0.2kg/cm ²
Pressure Diameter	Ø 3.5mm	Ø 3.5mm	1# Ø 11.1mm	2# Ø 7.9mm
Accuracy	±2%			
Display	Analog/Dial			
Dimension	L150xW55xH30(mm)			
Tip Depth	10(mm)			
Weight	0.3kg			

Fruit Tester can be used as either a hand-held instrument or mounted on a test stand for more precise measurements.

RUGGED CONSTRUCTION:

High impact plastic case, aluminum dial, precision steel spring, brass mechanism chassis, impact resistant plastic crystal, stainless steel plunger and accessories. Parts disassemble for easy cleaning.

PREPARING SAMPLE:

About ten days before normal picking time, control pulp firmness, repeat control each 6-7 days winter pome-fruits, each 2-3 days for summer pome-fruits, and stone fruits. Take samples from several plants and several spots of each plant as a random sample will be more representative of the lot. A suitable sample will be composed of 15-20 fruits; 2 measures have to be taken on each fruit at opposite sides, at the middle point of each side, after removing $\frac{1}{2}$ " disc of peel. - $\frac{3}{4}$ " diameter

HAND HELD MEASUREMENT:

Hold the fruit firmly in the left hand tested between thumb and forefinger of the right hand, push button-commanded indicator hand, place the plunger against the fruit and press with increasing strength until the plunger tip is penetrated into the pulp up to notch.

Slow penetration of the plunger is essential. Sharp movements and to avoid mistake and to assure slow penetration of the plunger, make sure that the hand holding the fruit is firm, leaning it on the table, and keep the arm rigid.

For further information on all the products in this Bulletin, please write us on :

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