Precision Fruit Sclerometer

FRUIT HARDNESS TESTER 5,000g

Model : FR-5105

ISO-9001, CE, IEC1010

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The Art of Measurement

5000gx1g, Precision Fruit Sclerometer FRUIT HARDNESS TESTER Model : FR-5105

Display

Direction

Function

FEATURES

FEATURES					
* The tester is u	used to measure the hardness of most kind				
	apple, pear, strawberry, grape, large/hard				
fruits, small/soft fruits. It is suitable for the fruit					
scientific research department, fruit company, fruit farm,					
	agriculture colleges and universities to improve the fruit				
quality, the harvest storage, the product transportation					
by the fruits' hardness. The useful tester to judge fruit's					
mature degree.					
* Max. capacity : 5000 gf x 1 gf.					
* Unit : g/oz/Newton.					
* Use load cell of	sensor, high precision.				
	with Peak hold function, easy				
measurement					
	mpression, Zero.				
* Positive/ Reverse display. * Large LCD display with back light.					
* Tip size : 3 mm, 6 mm, 8 mm, 11 mm.					
* RS-232/USB computer interface.					
* Complete set with hard carrying case and 4 kind tips					
(3 mm, 6 mm, 8 mm, 11 mm).					
* Test stand, FS-1001, optional.					
* USB cable (USB-01) and the data acquisition are optional.					
* Peak hold (Max. load) can be held in display during					
make the measurement.					
* Zero button can operate both for normal measuring					
& the " peak hold " operation.					
* Full capacity zero (tare) control capability.					
* Fast/Slow response time push button.					
* Hand held & stand mounted gauges are available.					
* Low power consumption gives long battery life.					
* Microprocessor circuit & exclusive load cell transducer.					
* Over load protection.					
* Built-in DC 9V power adapter input socket.					
* Range of 0 to 1 Kg (Appropriate for fruits such as grapes					
or cherries), with the 6 mm diameter sensor					
(FRTP-6).					
* Range of 0 to 5 Kg (Appropriate for fruits such as plums,					
lemons and other medium hard fruits), with the 6 mm					
diameter sensor (FRTP-6) or the 8 mm diameter sensor					
diameter sensor (FRTP-8).					
SPECIFICATIONS					
Principal	The hardness of Fruit can express by the				
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SPECIFICATIONS			mounting.
Principal	The hardness of Fruit can express by the unit area (S) could undertake the pressure of dynamometer (N), their specific value is just as the hardness (P). P = N / S P = Hardness value of fruit (Kg/cm^2) N = Pressure of dynamometer (N, Kg, LB) S = Area of pressure (m^2, cm^2)	Accessories Included Optional Accessories	Operating manual 11 mm Penetrometer Tip, FRTP-11 8 mm Penetrometer Tip, FRTP-8 6 mm Penetrometer Tip, FRTP-6 3 mm Penetrometer Tip, FRTP-3 Carrying case * Test stand, Model : FS-1001 * RS232 cable, Model : UPCB-01.
Display	LCD (Liquid crystal display). 5 digits, 16 mm (0.63") digit size. Back light.		 * USB cable, Model : USB-01. * SD card data recorder, DL-9602SD * Software for data logging & data recorder, Model : SW-U801-WIN.

* Appearance and specifications listed in this brochure are subject to changewithout notice. www.YaLAB.com.tw 02-2389-0101

Normal force, Peak hold (Max. load). Peak hold Will freeze the display value of the Peak load (Max. load). Zero button can be operated both for Zero "normal force" or "peak hold" operation Unit select g/Newton/oz. Measure 5,000 g/176.40 oz/49.03 Newton. Capacity 1 g/0.05 oz/0.01 Newton. Resolution Min. Display 3 g/0.10 oz/0.03 Newton. \pm (0.4 % + 1 digit), within 23 \pm 5°C. Accuracy * Under the test weight on 3000 g & 5000 g. Fast Approx. 0.2 second. Update time Slow Approx. 0.6 second. Display show " - - - - " when in over Over range Indicator range status. RS-232 serial computer interface. Data output Overload Max. 7 kg. Capacity Full Scale Approx. 0.2 mm max. Deflection Zero/tare Max. full capacity. Control Exclusive microprocessor LSI-circuit. Circuit 6 x 1.5 V AA (UM-3) size battery Power Supply or DC 9V adapter (not included). Power Approx. DC 28 mA Consumption Transducer Exclusive load cell. Operating 0° C to 50° C (32° F to 122° F). Temperature Operating Less than 80% RH. Humidity Dimension 215 x 90 x 45 mm (8.5 x 3.5 x 1.8 inch). Weight 650 g (1.43 LB)/with batteries. Data output RS-232 serial computer interface Mounting Main instrument with mounting holes are Holes provided on the back case, easy stand 1 PC. P-11..... 1 PC. P-8.....1 PC. -6.....1 PC. ·3.....1 PC.1 PC. 01 -01. -9602SD. & data

Positive or Reverse direction, select by

Tension & Compression (Push & Pull).

the push button on the front panel.