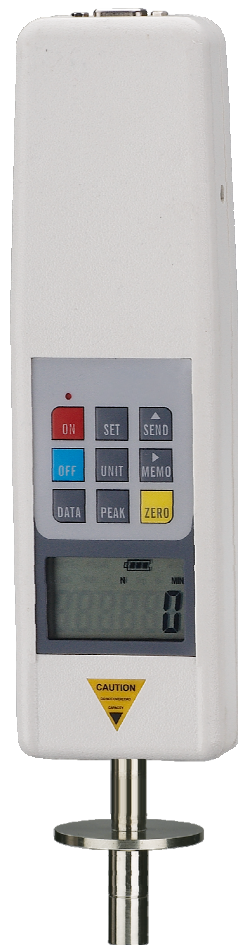


GY-4 Fruit Penetrometer Users' Manual



Function

GY-4 Series fruit penetrometer special for inspecting the hardness of the fruits, such as banana, apple, pear, strawberry, grape and so on. Judging the harness and mature of the fruits will good for breed, deposited, export, transport, machining, etc. They are widely used for fruit research department, fruit company, fruit farm, college and so on.

Caution:

Do not apply excessive load than rated, should sensor be damaged, and further heavy load is applied, parts may be broken, which may cause accident.

Specification

high accuracy and resolution;

peak hold function;

peak automatic clearance function;

Tolerance limit(up and down limit);

automatic power off function;

3 units available

full range 150% overload;

reset acceleration of gravity function;

LCD screen turn direction function;

large memory(896 value data);

inductive background light;

With output signal to control motorized test stand;

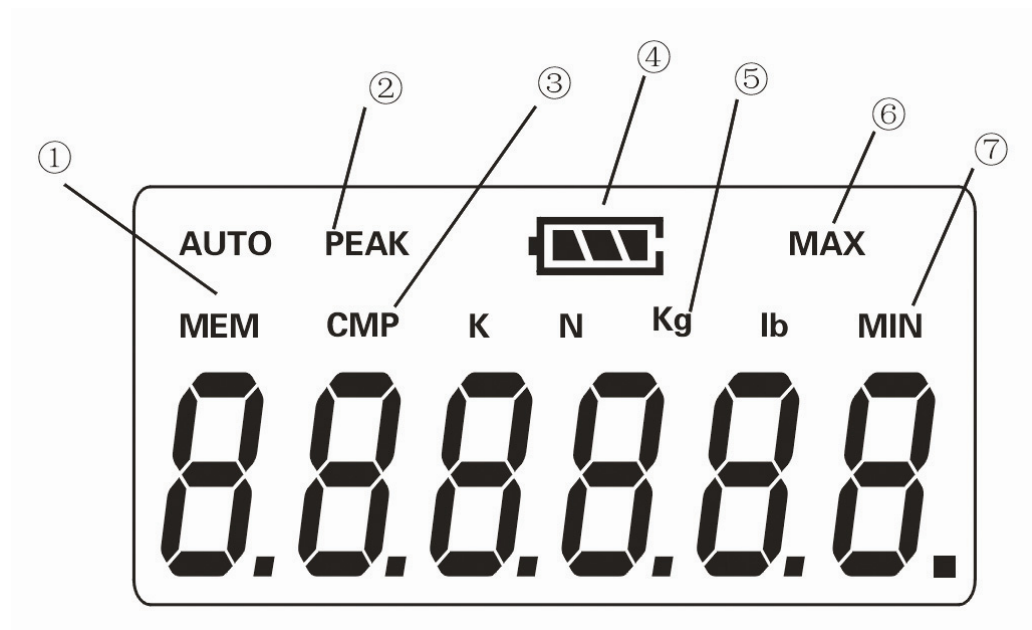
RS-232C to USB Port;

Match synchronous analysis software, which can connect to PC to get synchronous graph, and also can reserve, print, analysis and so on.

Technical Specifications

| | |
|--------------------------|---|
| Model | GY-4 |
| load limit | 20kg |
| load resolution | 0.01kg |
| Accuracy | ±0.5% |
| unit | N, kg, lb, |
| interface | RS-232-USB |
| Battery | Ni-Hi 7.2V 1800mAh |
| power supply | Input110~240V 50-60Hz 200mA Output9.4V 600mA |
| sensor | high precision sensor |
| working temperature | 5°C~35°C |
| transporting temperature | -10°C~60°C |
| comparative humidity | 15%~80%RH |
| working environment | No shaking and no causticity |
| Pressure Diameter | 3.5mm 8mm 11mm |
| Pressure Depth | 10mm |
| weight | 1.5kgs |
| Dimension | L245mm*W66mm*H36mm |
| Remark | Digital fruit Penetrometer |

Screen description



①.MEM

MEM will light up when memory data exist, press “DATA ”to look over the value data.

②.PEAK

3 modes: PEAK, AUTO PEAK ,TRACK. When on PEAK mode, the value won't disappear until press ZERO key; When on AUTO PEAK mode, the value will disappear 1-9 seconds later ; when on TRACK mode, it can get real-time value.

③.CMP

CMP will light up when comparator is on.

④.

Will flash when battery voltage falls below 7.0V. If so, connect gauge to AC adaptor.

⑤.UNIT

3 units available: N, Kg, lb

⑥.MAX

Above up limit , MAX shows.

⑦.MIN

Above low limit , MIN shows.

Key function



ON

Turn on the power, before testing press ZERO key first.

OFF

Power is switched off.

MEMO

Press MEMO key to save value data; Press DATA key to look over saved value; Press ZERO key to clear and press SEND key to output.

UNIT

3 units available: N, Kg, lb,

PEAK

3 modes convert automatic: PEAK ,AUTO PEAK, TRACK.

SEND

Press SEND key to change the direction of the reading. On the mode of SET, the function is forward.

DATA

Press DATA key to look over the memory data, and press ZERO key to exit.

ZERO

Displayed load value becomes zero. Used for clearing test data and setting load value to zero.

SET

Press SET key 1 time , it will show "TEST", 2 seconds later it will shows testing window; press "TEST"key 2,3,4,5,6,7 times, it will shows " AODT", "LODT", "HIDT", "CPDT", "LIGHT", "OFFT"one by one , after 2 seconds it will shows relevant information , using SEND key(forward) and MEMO key (rightward) to adjust, when "SETEND"shows on LCD , then you can start to test.

WARNING

1. Please do not hit the LCD or put object on LCD.
2. Do not press the keys with point tools.
3. Do not store or operate in the follow conditions
Wet area
Dusty area
Where oil or chemicals
Where is shake
4. When your hand is wet, please do not plus the adaptor, to avoid electrical shock.
5. Clean dirt and dust from tester with soft cloth. After dipping cloth in the neutral detergent water and squeeze out water, and clean dirt with the cloth. Do not use volatile chemical liquid to clean the tester, such as benzene, thinner, alcohol, etc.
6. Please take the tester the tester lightly.

7. Please do not disassemble the tester. It will damage the tester.
8. If there is fault, please contact with the seller or the factory.

Dimensions

