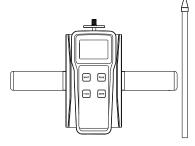
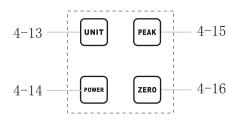
SOILHARDNESSTESTER

FM-204TR



Thank you for purchasing this instrument. This instruction manual briefly introduces the parameters of this machine, so that you can operate freely, please use Read this instruction manual carefully before and keep it properly for re-reading.

4, Operation key



4-13 UNIT bonds (UNIT) Unit conversion key, used for unit conversion operations. 4-14 POWER Supply Power on and off. 4-15 PEAK Key Peak holding mode and realtime measurement mode The switch button. 4-16 Calibrate ZERO key (ZERO) Operation key for instrument zero calibration.

1, Main technical parameters

Measuring range: 0 kg-100 kg (0 N-1000N) Test depth: 0 cm-30 cm Material to be measured: all kinds of backfill soil, clay, sand and mixed soil after rolling Application environment: roads, railways, reservoirs, embankments, DAMS and civic buildings Power supply: 2 AA batteries Test accuracy :≤0.25%

2, functional characteristics

* High precision and high
resolution.
* Numerical display, ignore
the difference.
* N(Newton), kg(kg),
lb(pound), g(gram) four
measurement units are
available for choice, mutual

5. Starting and shutting down the instrument

5.1 Starting the instrument Install two AA batteries; Open the back cover. The box is marked with "+" and "-" poles. Assemble the battery according to the marked polarity. Or after the 5V DC POWER supply is connected, press the Power/Return key (POWER/EXIT) to start the system. (Note: If it is not used for a long time, it is necessary to remove the battery to avoid damage to the instrument.) 5.2 Shutdown of theinstrument 5.2.1 Manual ShutdownIn the startup state, press and hold the power/return key appears "OFF", release the key, the instrument shutdown. (POWER/EXIT) About 2 seconds,

calculation.

* Peak hold function. Keep the peak display until manually cleared to zero. * Can use alkaline battery power supply; It can also be connected to 5V DC power supply.

3, display function description



3-9 Battery indicator When the battery voltage is too low, " • " is displayed at the upper left corner of the screen, indicating that the battery voltage is

when "OFF" appears on the monitor, release the key and the instrument will shut down. 5.2.2 Automatic Shutdown The instrument automatically shuts down after 10 minutes of operation without key.

6, Calibration of instrument

According to the requirements, after the instrument is installed in the measuring position, press the ZERO key to adjust the zero. The display will display the value as 0.

First, the use of operation (1) Select the probe rod to be installed on the main engine and tighten it

(2) Open the rear cover of the battery and install 2 AA batteries according to the memory pole in the box; Press

insufficient and you need to replace the battery. 3-10 Measured values In the machine, the thrust (pressure) is positive by default (" + "is not displayed); Lillimer is considered negative (shows ′*-″*). 3-11 Peak indicator MAX. When MAX. Is displayed, it indicates that the peak value is maintained. and the display displays the peak value. If MAX. Is not displayed, it indicates the real-time measurement mode. The value displayed on the screen changes with the load. 3-12 Measurement unit Indicates the current measurement unit, including kgf, gf, N, and lbf. Only one of these units is

the POWER button and the screen displays an initial value.

shown.

(3) Suspend the instrument, press the ZERO key, and adjust the display value to 0; You only need to turn on the machine to clear the zero once.

(4) the surface of the soil to be measured first, press the "PEAK" key on the instrument and then the tip of the device

is vertically inserted into
the soil (insertion depth
according to customer
requirements) the value
displayed on the instrument is
the soil hardness value.
(5)Safety Introduction
Precautions
1. Do not operate the machine

in wet (dusty, oil or chemicals, seismic source) environment

2. Soak a soft cloth in water soaked with cleaning agent and wring it out before removing dust and dirt.

3. Digital soil hardness tester has many specifications for users to choose, users can choose the corresponding specifications of the instrument according to the force value of the required test products. The scientific use test range is 10% ~ 100% of the full scale, and the metrological department recommends not to use less than 1% of the full scale.

4. Please use within the specified temperature and humidity range, otherwise it may cause instrument failure.

5. Do not disassemble, repair or transform the machine by yourself, which may cause permanent failure of the instrument.

6. Other matters to be paid attention to in production safety.

7, Warnings

1, do not exceed the maximum range to use the instrument. Otherwise, the sensor may be damaged and even an accident may occur.

2, when the test value exceeds 105% of the range, the buzzer will continuously sound, at this time, please quickly remove the load, or reduce the load.

Matters of Danger

1, please use the matching

charger to charge, otherwise
it will cause circuit failure,
and even fire disaster.
2. Do not use the power supply
beyond the rated voltage of
the charger, otherwise it may
cause electric shock or fire
disaster.

3. Do not pull out or insert the plug with wet hands, otherwise it may lead to electric shock.

4. Do not pull the power cord of the charger to pull out the plug, so as to avoid the electric shock caused by the wire being torn off. Connect the probe rod to the main engine before testing. Before use, check between the probe rod and the probe, the screw between the probe rod and the main shaft must be tightened, not loose, lest the probe rod torsion deformation or break.

8, Installation Instruction

