HT-225

Concrete Test Hammer

Introduction

The HT225 Concrete Test Hammer is designed specifically for the non-destructive testing of concrete structures. This method has considerable advantages over conventional methods of assessing the compressive strength of concrete in that large areas can be tested in a very short time at a very low cost.
The HT225 is comparable with the Schmidt Hammer, Type N, this method of testing is covered by EN 12 504-2, ASTM C 805, DIN 1048 and BS1881 part 202. These standards refer to assessment of the rebound hardness of concrete which is directly related to the compressive strengths of the material being tested.

Steel Anvil

In order to make sure test hammer in good status, we should calibrate it regularly.
Hardness of steel core:60±2HRC
The rebound value fall in the range of 80±2(for test hammer with impact energy of 0.735J and0.196J, it's calibrated value should be 74±2)

Technical Specification

Model	HT-225
Measuring ranges	10-70MPa
Impact energy	2.207±0.1J (0.225Kgf.m)
Length of spring stretch	75±0.3mm
The static friction of pointer slider	0.65N±0.15N
Radius of spherical tip	25mm±1mm
The average rebound values on steel anvil	80±2
Housing dimensions	Φ54×280mm
Weight	≈1kg

HT-20

Mortar Test Hammer

Introduction

This instrument is specially used in testing the compressive strength of mortar in building brick component.

Parameter

Measuring ranges	1.0~25MPa
Impact energy	0.196J(0.02kgf.m)
Length of spring stretch	75mm±0.3mm
The static friction of pointer slider	0.4N~0.6N
Radius of spherical tip	25mm±1mm
The average Rebound values on steel anvil	74±2
Size	Φ54×268mm
Weight	≈1KG

HT-75

Brick Test Hammer

Introduction

Submit to standard of GB/T50315-2000, the instrument is applied to test light material such as brick, light bone concrete etc.

Parameter

Impact energy	0.735J
Length of spring stretch	75mm±0.3mm
The static friction of pointer slider	0.4N~0.6N
Radius of spherical tip	25mm±1mm
The average Rebound values on steel anvil	74±2
Size	Φ54×268mm
Weight	≈1KG

HT-1000

High Strength Test Hammer

Introduction

The instrument is suitable for testing strength of tall building structure, bridge and concrete component etc

Specification

Test range	50~80MPa
Impact energy	9.8J
Stroke of rebound hammer	140±0.5mm
Friction of pointer slider	0.4N~0.8N
Average rebound value on steel anvil	83±2
Stiffness of tension spring	1000±45N/m
Size	Φ65×486mm
Weight	≈3.5KG

HT-550

High Strength Test Hammer

Introduction

The instrument is suitable for testing strength of tall building structure, bridge and concrete component etc

Specification

Test range	60-90MPa
Impact energy	5.5J
Rebound spring impact length	100±0.5mm
Stiffness of tension spring	1100±50N/m
Average rebound value on steel anvil	83±2
Radius of rebound pole SR	18±1.0mm
Size	Φ54×350mm
Weight	1.28KG

HT-450

High Strength Test Hammer

Introduction

HT-450 test hammer is used to test high strength concrete compressive strength, like high rise, bridge. And apply to C50-C100 concrete.

Specification

Test range	20-110MPa
Impact energy	4.5J (1kgf.m)
Impact stroke	100±0.5mm
Tension spring rigidity	900±40N/m
Calibration value on test anvil	88±2
Dimension	430*D64mm
Weight	3KG

HT-225Q

Digital Concrete Test Hammer (Simple Type)

Introduction

HT-225Q Digital Concrete Hammer is a high-tech product, especially designed for the needs of in place test for concrete compressive strength, applied to non-destructive test (NDT) hardened concrete compressive strength component in construct projects.

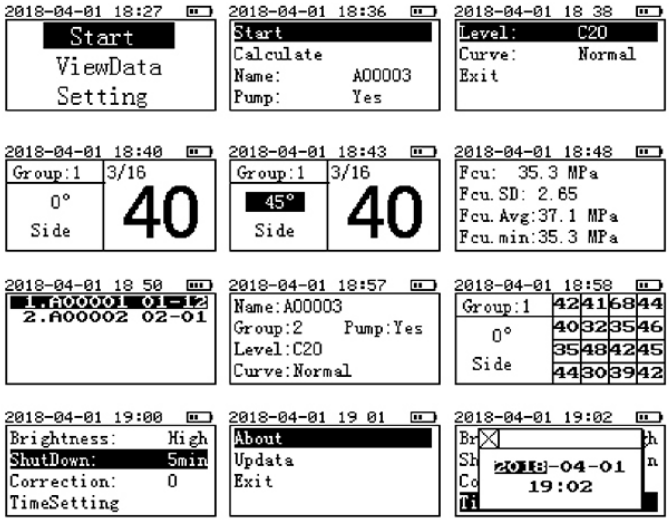
Features

- Submit to < Technical Specification of Inspecting Concrete Compressive Strength by Rebound Method > (JGJ/T23-2011). And ASTM C805, EN 12504
- Automatic recording function improves the efficiency of measurement.
- Using sensitive operation touch keys. The keys are not easy to aging.
- Integrated wireless structure of the test hammer host and the displayer part. Easy to carry and make work efficient.
- The instrument is powered by a built-in rechargeable lithium battery, which can operate continuously for more than 10 hours

Standard Delivery

- HT-225Q test hammer
- USB communication cable
- Manual
- Software disc
- Carrying case
- Charger 5v 1A

Interface



Technical Specification

Model	HT-225Q
Measuring ranges	10-70MPa
Impact energy	2.207±0.1J （0.225Kgf.m)
Length of spring stretch	75±0.3mm
Tension spring stiffness	785±30N/m
The static friction of pointer slider	0.65N±0.15N
Radius of spherical tip	25mm±1mm
The average rebound values on steel anvil	80±2
Data storage capacity	200 standard components
Power supply	1×5# Ni-MH rechargeable battery
Housing dimensions	Φ54×280mm
Weight	≈1kg

HT225-V

Digital Concrete Test Hammer

Brief Introduction

HT225-V is a portable instrument to test the compressive strength of concrete structures or rock in non-destructive testing field. The rebound value can be converted into a reading on the digital display, and the estimated mean value, standard deviation and concrete strength can be shown.

Features

- The main unit integrated with the sensor,portable design
- True color LCD screen, high resolution of 176×220mechanical hammers
- Powered by high-capacity rechargeable lithium battery
- Non-contact grating sensor with high precision
- Unique sound alarm of rebound value
- Easy to generate report by printer on the spot
- Automatic delete exceptional value and calculate component results
- Possibility to store, display and transfer data to PC with USB interface

Standard Delivery

- Main unit
- Software
- USB connecting cable
- Power charger
- Carborundum stone
- Instruction manual
- Warranty card
- Carry case
- Calibration certification

Optional Accessory

- Portable printer
- Power charger for portable printer (9v/2A)

Technical Specification

Model	HT225-V
Measuring ranges	10-60MPa
Impact energy	2.207J
Spring extension	75±0.3mm
Display	16-bit true color 176×220 resolution
Data storage	480000 testing results
Mean value of steel-anvil rating	80±2
Flip tension spring rigidity	785±30N/m
Power supply	Rechargeable lithium battery
Power consumption	Maximum backlight situation ≈100mA(Voice off)
Interface	USB2.0 full-speed
Weight	1.1Kg

HT225-W/W+

Integrated Voice Digital Test Hammer

Features

- Voice service, LCD and scale readings are double guarantee the accuracy of the test values. When in-site test in case without power still can get the measure results through the scale. Voice service can improve the efficiency of work at special environment.
- Machine core applys imported metal material, high precision, long service life.
- The host and sensor integration design, easy to operate and efficient.
- High-resolution LCD color screen 176×220
- USB fast communication with PC
- Easy to operate, friendly system interface
- Non-contact metal reflection grating and reflective encoder sensing with high precision
- The difference between displayer and scale <=0.5

Accessories

- Main Unit
- Calibration certification
- Carbourundum stone
- USB connecting cable
- Carry case
- Power charger
  (Output DC5V/1A only HT225-W)
- portable infrared printer is selectable
- Software disc
- Manual

User-interface

Parameter

Model	HT225-W/W+
Measuring ranges	10-70MPa
Impact energy	2.207J
Spring constant	785±30N/m
Spring extension	75±0.3mm
The average rebound values on steel anvil	80±2
Data storage	480000 testing results, 20 special test strength curves could also be planted into
Size	L280mm×D54mm
Weight	1.2KG
Power source	HT225-W 3.7V/1500mAH lithium battery HT225-W+ 1×3.7V/2000mAH lithium battery

HT-225E

Digital Concrete Test Hammer (Simple Type)

Brief Introduction

HT-225E Digital Concrete Hammer is a high-tech product, especially designed for the needs of in place test for concrete compressive strength, applied to non-destructive test (NDT) hardened concrete compressive strength component in construct projects.

Features

- Submit to < Technical Specification of Inspecting Concrete Compressive Strength by Rebound Method > (JGJ/T23-2011). And ASTM C805, EN 12504
- Unique automatic recording function improves the efficiency of measurement
- Non-contact grating sensor with high precision
- Large storage capacity
- Adopting USB interface, as U flash disk, no need special driver
- Digital part is suitable for all mechanical hammers of our company easily installed and serviced

Standard Delivery

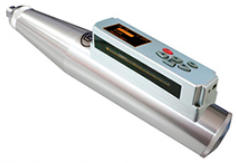
- Main Unit
- Software
- USB connecting cable
- Power charger
- Carborundum stone
- Manual
- Warranty card
- Calibration Certification
- Add “NiMH rechargeable batteries 2 pcs(AA)”

1 Take off the scale and put the base plate on it.

2 Adjust slider position.

Note: Don't move the grating angle.

3 Fix the base plate usig 4 screws and fix the digital part.



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Technical Specification

Model	HT225-E
Measuring ranges	10-60MPa
Impact energy	2.207±0.1J (0.225Kgf.m)
Length of spring stretch	75±0.3mm
Tension spring stiffness	785±30N/m
The static friction of pointer slider	0.65N±0.15N
Radius of spherical tip	25mm±1mm
The average rebound values on steel anvil	80±2
Data storage capacity	200 standard components
Power supply	1×5# Ni-MH rechargeable battery
Housing dimensions	Φ54×280mm
Weight	≈1kg

JW-GY71

Integrated Rebar Scanner

Features

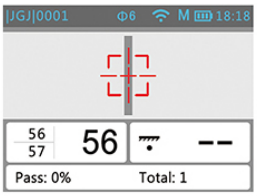
- •Investigation depth could reach 180mm
- •Single comprehensive probe.
- •Peak scanning
- •Automatic identification of rebar positions
- •Laser positioning
- •Automatic reading spacing of bars
- •Machine software is complete. The report could be printed automatically connecting with computer
- •Grid scan of the rebar position
- •Profile scan of the rebar position

Technical Specification

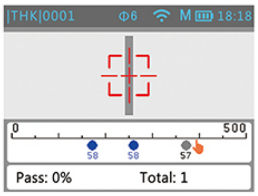
Bar diameter application range(mm)		Φ6 - 50
Maximum permissible error of Bar diameter		≤±1
Cover thickness measuring range		
The first measuring range (mm)		2 - 100
The second measuring range (mm)		2 - 200
The maximum error of cover thickness		
The first measuring range (mm)	The second measuring range (mm)	
1 - 59	5 - 80	≤±1
60 - 90	80 - 120	≤±2
90 -105	121 - 205	≤±4

Standard Delivery

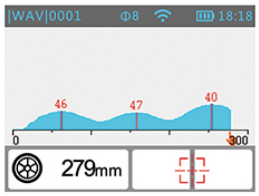
Main unit, Software	1
USB connecting cable	1
Power Charger	1
Manual	1
Warranty card	1
Carry case	1



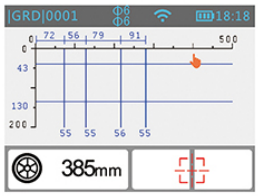
JGJ Scaner



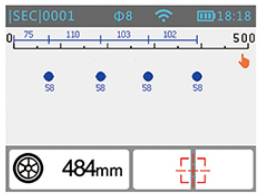
Cover thickness detection



Wave detection



Grid detection



Profile detection

Rebar detector

Application Range

1、Testing the location, distribution, direction, and diameter of the rebar and the thickness of cover in concrete structure projects.
2、Inspecting and accepting concrete structural construction quality.
3、Evaluating the quality of construction.
4、Establishing the location of rebar for drilling, cutting and coring operations.
5、Testing the distribution and direction of electric cables, pipelines and metalwork inside walls and floors.
6、Testing the quantity of rebar when evaluating and developing the old structure, such as installation of furniture and air-condition.

Features

- The high resolution LCD display: 128 x 128 pixels;
- The intuitive operation and handheld ergonomic design with good durability;
- Accurately detect the location of the rebar;
- Help extend life of drill and avoid damage when drilling and coring;
- The multi coil structure design with high speed, high precision and high resolution;
- The built-in high capacity lithium battery,low power consumption, standby for no less than 20h.

Technical Specifications

Items	Technical Spec.	
Diameter Measuring Range (mm)	Φ6～Φ50	
Measuring Range (mm)	Location Range: 1～120 First Range: 1～60 Second Range: 30～120	
Thickness Measuring Accuracy (mm)	1～40	±1
	41～60	±2
	61～80	±3
	81～100	±5
	101～120	±8
Rebar Location Accuracy	1～60	±3
	61-120	±6
Diameter Measuring Modes	Optional	
JGJ Measurement	Optional	
Data Storage	Optional	
Off Time	Automatic	
Power Supply	Rechargeable Lithium Battery	
Working Temperature	-10℃～+42℃	
Size (mm)	170×78×38	
Weight (kg)	0.28	

GW50(+)

Rebar Locator

Features

- Investigation depth could reach 180mm
- Single comprehensive probe. No need to replace during test.
- Back-lit screen let instrument can be normal used under the condition of insufficient light
- Machine software is complete .The report could be printed automatically connecting with computer
- Grid scan of the rebar position
- Profile scan of the rebar position

Work Environment Condition

No strong alternating electromagnetic field
No corrosive gas in the air.
Avoid larger vibration and impact
Avoid the LCD panel contact with sunlight directly

Product Usage

Testing concrete cover thickness
Test concrete member internal reinforcement position, rebar spacing, reinforcement position distribution.
Estimation bar diameter
Detection of Cable and Plumbing pipe

Technical Specification

Bar diameter application range(mm)	Φ6- 50
Maximum permissible error of Bar diameter	⩽±1
Cover thickness measuring range	
The first measuring range (mm)	6 - 90
The second measuring range (mm)	7-180
The maximum error of cover thickness	

The first measuring range (mm)	The second measuring range (mm)	
6 - 59	7 - 79	⩽±1
60 - 69	80 - 119	⩽±2
70 -90	120 - 180	⩽±4

Standard Delivery		Optional Accessory
Main unit, Software	1	Scan car
USB connecting cable	1	Car cable
Probe	1	
Probe cable	1	
Manual	1	
Warranty card	1	
Carry case	1	

XS-100

Rebar Corrosion System

Features

1. Easy to operate, fast and accurate read. The result is displayed with numbers or graphics.
2. Displays rebar corrosion degree with 9-level grey or colorful graphics
3. Measured data is inputted to PC software from USB interface.
4. Easy to operate, have concise software interface, have powerful analytical processing, can obtain testing report directly.

Brief introduction

XS-100 rebar corrosion system is NDT instrument which tests rebar corrosion in the concrete structure. Using electrochemistry method, do the functions for corrosion detection, data analysis, storage and output etc. It is a detection instrument which is handed, measurement accurately and easy to use.

Standard Delivery

Main Unit	1
Signal transmission line	2
Lateral device	1
USB connecting cable	1
Clamp	4
Manual	1
Software	1
Carry case	1

Technical Specification

Number	Items	SPEC
1	Potential electrode	Φ37X127mm
2	Electrode weight	200g
3	Power supply	Alkaline cell X 6
4	Potential measurement range	±1999mv
5	Test Accuracy	1mv
6	Distance of test point	0 - 1000mm
7	Available capacity	50000 test points,5000test areas
8	Work temperature range	-10℃ - 40℃
9	Size	220×145×60mm

GX50B

Rebar Locator&Corrosion System

Features

Integrated functions of rebar position test , concrete cover test, rebar diameter test rebar scan and rebar corrosion degree test into one product.

Product Usage

Testing concrete cover thickness
Test concrete member internal reinforcement position, rebar spacing, reinforcement position distribution.
Estimation bar diameter
Detection of Cable and Plumbing pipe
Detection of steel corrosion extent

Standard Delivery

Main unit	1
Clamp	4
Test probe	1
Probe car	1
Lateral device	1
Probe car connecting line	1
Probe connecting line	1
Signial transmission line	1
Carry case	1
Software	1
Instruction manual	1
USB connecting cable	1

Specification of Rebar Locator

Bar diameter application range(mm)		Φ6- Φ50
Maximum permissible error of Bar diameter		⩽±1
Cover thickness measuring range		
The first measuring range (mm)		6 - 90
The second measuring range (mm)		7 - 180
The maximum error of cover thickness		
The first measuring range (mm)	The second measuring range (mm)	
6 - 59	7 - 79	⩽±1
60 - 69	80 - 119	⩽±2
70 -90	120 - 180	⩽±4
Work temperature ℃		-10 - +40
Relative humidity RH		< 90%
Power supply		Alkaline cell X 6

Specification of Rebar Corrosion System

Measuring Potential	±1999mV
Test accuracy	± 1mV
Measuring Space	1-99 cm (adjustable)
Ambient Temperature	-10℃～+40℃
Environment Requirement	to avoid direct exposure to the sun for a long time.
Relative Humidity	<90%RH
Electromagnetic Interference	no strong alternating electromagnetic field
Distance of test point	0-1000mm
Available capacity	50000 test point 5000 test areas

CH800-A

Concrete Thickness Tester

Features

1、 Long test distance. Test distance can up to 800mm.
2、 High precision and stability. Interpreting the board thickness Intelligently can avoid man-made errors and reduce labor intensity.
3、 Fast and efficient . Test 3~5 point thickness within 3 minutes.
4、 Long service life of sensor. Improve the service life by paste abrasion resistance allowance on the bottom of sensor.
5、 The special clasp between extend bar and transmitting sensor can prevent its falling.
6、 Can save test date. This function is convenient for laborer data management.
7、 Powerful data process and analysis software in Windows.

Product Usage

The instrument is used for nonmetallic board thickness testing such as concrete, rock, glass etc, The functions include thickness testing, data analysis, saving and transmission.It is a potable, efficient, precise and intelligent instrument.

Standard Deliaery

- Main unit 1
- Probe 2
- Probe connecting line 1
- Expansion Pde 1
- Interphone 2
- Carry case 1
- Software 1

Specification

Test scope	40mm～800mm
Permissible error	40 ～ 600 mm ±1 mm
	601～ 800 mm ±2 mm
Data storage capacity	3.2 group data
Operational environment:	
Temperature	-10℃～+40℃
Dampness	<90%RH
EMI	no strong electromagnetic field
Batteries	6 dry cells, work more than 30 hours

Penetration resistance detector

SJY800B

Introductions

SJY800B Penetration resistance detector is a new product applying to the strength detection of masonry mortar. It adopts to the lever force method having light weight, easy operation and high accuracy features reduced the labor intensity of the testers, improved the detecting efficiency. It is the substitute product of the rebound method and in-situ method and its performance has reached the international leading level.

Generality

Penetration method is a new field detection method according to the relationship between the nail penetration depth in the mortar and mortar compression strength. Put a nail into the mortar by using the compression work spring loading. Test the nail penetration depth and convert the mortar compressive strength according to the strength-measuring curve. Penetration method has features of easy operation, high accuracy and low testing cost. It is suitable for the standard of JGJ/T136-2001.

Specification

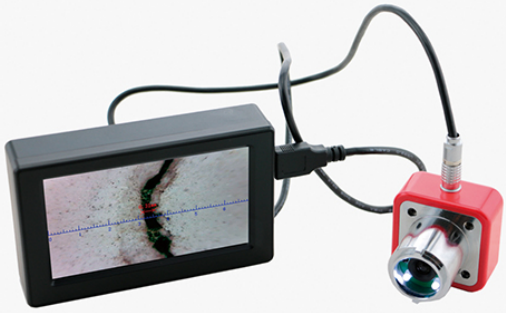
1. Penetration resistance：800±8
2. Power stroke：20±0.1mm
3. Digital test ruler rang：20±0.01mm
4. Nail length：40mm
5. Nail diameter：3.5mm
6. Gauge groove：39.5mm

Packing list

No	Item	Unit	
1	Host	set	1
2	The depth tester	pcs	1
3	Force rod	pcs	1
4	Nail gauge	pcs	1
5	Nails	pcs	20
6	Grinding wheel	pcs	1
7	Rubber suction bulb	pcs	1
8	Nail tightening wrench	pcs	1
9	Manual	pcs	1
10	Carry case	set	1

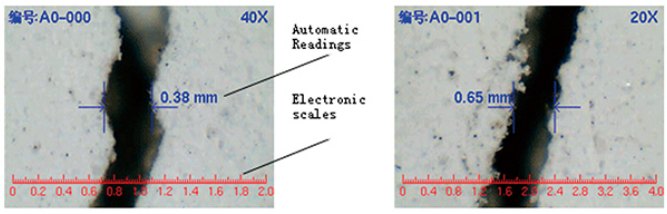
JW-CK102

Crack Width Gauge



Brief Introduction

JW-CK102 series crack width gauge can be widely used in bridges, tunnels, buildings,concrete pavement, metal surface crack width testing.



Photos cracks images

The main technical parameters

The maximum detection range	0-6mm
Accuracy	better than 0.01mm
Magnification	40times
The Operating Temperature	-20 ~ 60 ° C
Host Interface	standard USB
The storage	can be stored for more than 3000 photos (SD Card is free to expand)
Image storage format	BMP format 24 bit color 320×240
Power supply	lithium battery, standby time: 18 hours
Size	Host 113x70x16.5mm
Probe	48x56x58mm
Weight	host 100 grams, 100 grams of the probe

Features、

1. Automatically show the crack width on the screen.
2. Automatically take the crack photos. (real-time image display on the screen)
3. Stored photos and all data can be reviewed;
4. Probe (camera) comes with lighting fixtures can work in dim light;
5. Simple alignment of cracks can be automatically reading, without any set up, easy operation;
6. Crack photo as a standard BMP format, directly save to any Udisk/ SD card;
7. The camera function could catch all test information in time including crack images, test value and zoom images;
8. Host and the probe share one rechargeable lithium battery.
9. Reference specification: JGJ125-99 "dangerous building appraisal standards.

Standard Delivery

Main Unit	1
Probe (with 1.5 m cable)	1
Quick charger	1
Blowing balloon	1
Aluminum carrying case	1
Manual and warranty card	1
Software	1

SK-510
Crack Integrated Detector

Applications

Crack integrated detector is mainly used for crack width and crack depth measurement of bridges, tunnels, buildings, roads and so on.

Professional design

1.Standard probe and high grade probe;
2.Two detection methods: standard and simple depth measurement.
3.Standard ultrasonic transducer bracket precise and adjustable; free from scene marking-out, which can greatly improve the detection efficiency.
4.Image automatic recognition and width intelligent computing technology; crack position without adjustment;
5.Crack automatic identification and calculation; real-time display;

Human-computer interaction

1.Friendly human-computer interactive interface
2.Various built-in various helpful files and demo videos facilitate the users to conduct skilled instrument operation.

Configure

Instrument、Plane energy transducer、special scales、Signal Cable、USB、Specification and Software CD-ROM、batteriesbox

Mass storage

4GB large-capacity SD card can store more than100,000 data;

Main technical parameters:

Hardware Platform	Embedded ARM9 Hardware Platform , WinCe5.0 Operating System , True Color TFT Touch Screen
Crack Width Test Range	Standard Probe: 0.01mm～6.5mm ;
Crack Width Test Accuracy	Standard Probe : ≤±0.02mm
Crack Depth Test Range	10mm～500mm
Crack Depth Accuracy	≤±5%
Image Storage Format	BMP or JPEG
Power Supply	Rechargeable Lithium Battery
Working Time	≥28 Hours
Working Temperature	-10℃～+50℃
Working Humidity	≤90%RH

Net Weight: 1.8kg
Gross Weight: 4.6kg
Package Size: 42*33*12.5cm

DM200C

Concrete Moisture Meter

DM200 Concrete water testing instrument adopted the high frequency principle based on the introduction of the most advanced technology from foreign country. In other words, there is a fixed frequency inside the equipment Once the moisture of the detected objects carried, the frequency through the sensor will be different. The deference between the frequencies will be displayed in figure after the conversion by current-frequency converter.

Work principle

This instrument adopted the high frequency principle based on the introduction of the most advanced technology from foreign country. In other words,there is a fixed frequency inside the equipment. Once the moisture of the detected objects carried, the frequency through the sensor will be different. The deference between the frequencies will be displayed in figure after the conversion by current-frequency converter.

Specification

Its integrative design convenient to carry outside for testing.

Digital display with back light gives exact and clearly reading although you stay at the somber conditions.

It is small in size, light in weight ,easy to carry out for fieldwork if needed.

Display：4 digital LCD

Measuring range：0%-50%

Operating conditions：

Temperature：0-60

Humidity：5%-90%

Resolusion：0.1

Accuracy：± 0.5%n

Power supply：9V battery (6F22)

Dimensions：160mm×60mm×25mm

Weight：203g (not including batteries)

EDG-4114

Electrical Density Gauge(EDG)

Description of Electrical Density Gauge(EDG)

The Electrical Density Gauge (EDG) is capable of providing accurate readings of soil density, moisture content, and percent compaction on soils typically used for roads and foundations. The precision by which the EDG can determine these physical parameters depends highly upon you, the operator. Reading and understanding the contents of this manual is a very important step toward utilizing EDG to its maximum potential.

Technology standard

ASTM D7698

Technical parameters

Density range: Standard field compacted soil range
Dry density accuracy: ≤3% Standard test range
Moisture content range: Standard field compacted soil range
Moisture content accuracy: ≤3% Standard test range

Theory of application

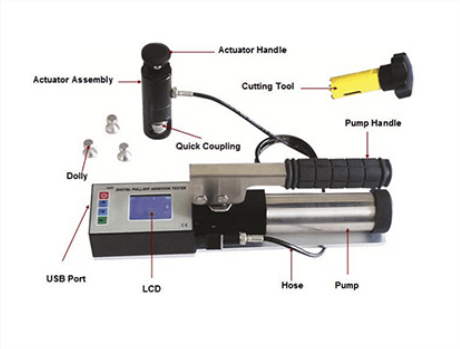
by applied high radio frequency between electrodes to test the dielectric and density of compacted soil materials. And make a comparison between the measured dielectric properties and soil modules. Soil module is a specific standard of soil It has a set of pre-measured specific permittivity. This group of electrical properties represents a series of density and humidity data. After the field measurement, the dry and wet density, moisture content and compaction percentage are calculated by mathematical algorithm. The accompanying temperature detector also increases the accuracy of measurements.

Characteristic

- Can replace the nuclear density measurement method, sand filling method, first stage drying method, no nuclear source.
- There is no need difficult training or certified professionals are required.
- There is no need to consider the transportation or storage of hazardous materials.
- Use high quality, reliable point-to-point RF technology.
- 2-3sec. show measurement results.
- The temperature probe detects the test .temperature to make the test more accurate

JW-FZL

Pull-Off Adhesion Tester



Standard

It accords with standards ASTM D4541、ASTM D 7234、ISO 4624 and others

Main Technical Parameter

- Dolly Size： 20mm（Standard）；10mm、14mm、50mm（Optional）
- Resolution： 0.01MPa（1psi）
- Accuracy： ±1% Full scale
- Max. Pull-off Pressure：
  Φ 10mm dolly →0-80MPa；
  Φ14mm dolly→0-40MPa；
  Φ20mm dolly→0-20MPa；
  Φ50mm dolly→0-3.5MPa；
- Power：Built-in rechargeable lithium battery, and standard configuration charging adapter.
- Adhesion Tester Size：360mm×75mm×115mm（L x W x H）
- Adhesion Tester Weight：3KG

Features

SIMPLE

- ◆ Portable design, built-in rechargeable lithium batter, no need external power supply, can be used in any position
- ◆ Pull Rate Indicator allows operator to easily monitor and adjust the rate of pull in accordance with international test methods
- ◆ Easily select dolly sizes, change measurement units or store readings, with the touch of a button
- ◆ Conversion charts not required – tester automatically calculates pressure based on dolly size
- ◆ Inexpensive, single-use dollies eliminate cleaning for re-use and can be kept as a permanent record
- ◆ Each kit comes with everything needed for testing

DURABLE

- ◆ Environmentally sealed enclosure – weatherproof, dustproof and shockproof - meets or exceeds IP65
- ◆ Two year warranty

ACCURATE

- ◆ Every Adhesion Tester pressure system is calibrated and certified to ± 1% accuracy using NIST traceable load cell
- ◆ Self-aligning aluminum dolly enables accurate measurements on smooth or uneven surfaces
- ◆ Hi-grade, industrial pressure sensor ensures continued accuracy
- ◆ Built in real-time clock, all reserved data has its own data and time, is convenient for operator to manage test data

VERSATILE

- ◆ Internal Memory (200 pulls) stores maximum pull-off pressure, rate of pull, and dolly size
- ◆ No need any software, is also a U disk, when connecting the computer, operator can read all data directly which is recorded during testing.
- ◆ LCD displays pressure value in psi or MPa
- ◆ 10, 14, 20 or 50 mm dollies maximize capability and measurement resolution across a wide range of bond strengths

JWTC-10S Coating adhesion pull off tester

It is mainly used to test the adhesion of anticorrosive coating in the construction of high-speed railway projects. The adhesion of coating on the surface of steel pipes and iron plates. It is an essential testing instrument for various quality inspection and construction units

Technical Specifications
1.Max. pull out force: 0KN-10KN（0-30MPA）
2.Error: <2%
3.Battery: 4.2V rechargeable battery
4.Net weight: 2.8kg

JW-6000C Digital Bonding Strength Pull off Tester

It is suitable for testing the bonding strength of decorative tiles, mosaics, various boards, paints, coatings, external wall insulation materials (EPS board, SPS board) and various external wall building materials, adhesives

Integration design with embedded measurement, display circuit
Peak-value-holding function
10 section line correction
Automatic shutdown and the LCD illumination

Technical Specifications
1.Max. pull out force: 0KN-6KN
2.Pull out travel: 10mm
3.Error: 0.001KN
4.Battery: 4.2V rechargeable battery
5.Net weight: 4kg

The bonding strength detector

GJ-10 bonding strength tester is used for bonding strength test of rivet, heat-insulation material, tile, it's kind of very common construction detection instrument.

1. Max. pull out force: 5KN-10KN
2. Pull out travel: 60mm
3. Error: <2%
4. Battery: 4.2V rechargeable battery
5. Net weight: 1.8kg

Anchor rod pull-off tester

Crystal display
The LCD illumination function
Peak value holding function
Data storage function
Overload protection structure (no-load over the test range do not damage hydraulic cylinder.)

Type	Cylinder center diameter	Cylinder stroke	Test range	Weight	Resolution
JW-10T	27mm	60mm	0～100 KN	7.5Kg	0.1KN
JW-20T	34mm	80mm	0～200KN	14Kg	
JW-30T	45mm	80mm	0～300 KN	16Kg	
JW-50T	60mm	120mm	0～500 KN	29Kg	
JW-100T	85/95mm	150mm	0～1000 KN	45/65Kg	

Multifunction concrete intensity tester

JW-40 Series intelligent digital pressure gauge, the pressure gauge to the control of single store, query and maintain peak function, simple operation, easy to use.

Maximum pullout force of the detector	40kN
Work the piston stroke	10mm
Chassis fulcrum diameter	120mm
Minimum reading	0.01kN
Indication error	Less than ± 2% F.S
Weight	4kg

Skid resistance tester

BM-III Pendulum Skid Tester **widely used in** testing of new road surface materials underdevelopment, testing of aggregates in the PSV (polished stonevalue) test, testing of floors and pedestrian walkways, flooring materials product development, accident investigations, both traffic and pedestrian, litigation investigations.

Technical parameters

a) Pendulum weight: 1500g
b) Distance of centre of pendulum gravity 410mm
c) Forward Static Pressure From Rubber Sheet To Pavement: 2263g
d) Oscillation during free falling of the pendulum from slope 5o is no less than 70 times.
e) Distance between oscillation center to outer edge of rubber sheet: 510mm

Concrete Air Content Meter

Widely used in construction work, road, rail, water utilities, ports. Airport construction and other construction site, the determination of air content of concrete, engineering quality supervision and management, research and teaching of concrete experiments.

Range of air content	0-10%
The maximum dia of coarse aggregate	≤40mm
Minimum reading	0-8%(±0.1%),8%—10%(±0.2%)
Division value	0.005Mpa
Volume	7 L
Weight	6.8 KG
Dimension	Dia.33cm×50cm

Diamond core drill

HZ-205F

Max. Drilling	¢205mm
Rated Voltage	110/220/240V~
Rated frequency	50-60Hz
Rated input power	2800W
No-load speed	750r/min
G.W.	24KG
Size	84*34*23cm

Diamond core drill

HZ-250

Max. Drilling	¢250mm
Rated Voltage	110/220/240V~
Rated frequency	50-60Hz
Rated input power	3300W
No-load speed	700r/min
G.W.	33KG

TIME5630

ULTRASONIC HARDNESS TESTER

Features

- ●Nondestructive hardness tester for testing hardened layer and thin workpieces
- ●3.5-inch color LCD screen
- ●It indicates the battery status and alarms in low battery
- ●Conversion of common hardness sales (HV, HB, HRC)
- ●Hardness value calibration and delete calibration
- ●Select the tested material, mainly steel and cast steel. After calibration with the standard test block, it can measure alloy tool steel, special cast iron and non-ferrous metals
- ●Large memory: built-in 8G SD card.
- ●Free measurement in all directions, no compensation is needed.
- ●It can display the maximum value, minimum value, average value, standard deviation, measurement times, previous measurement values, etc.
- ●Upper/lower limits setting and alarm when out of the limits
- ●Rechargeable lithium ion battery, continuous working time is more than 30 hours
- ●Portable stand to enhance the measurement accuracy.

Applications

It can measure strip/plate workpiece, mold hardened layer, blade hardened layer, tooth surface hardened layer, flange edge, wheel, turbine rotor, thin plate, shaft and pipe, container, knife edge, welding part, etc.

Standard Delivery

●Main unit	1
●10N manual probe	1
●Standard test block	1
●V-shape base	1
●Probe cable	1
●Charger	1
●TIME certificate	1
●Warranty card	1
●Instruction manual	1

Technical Specification

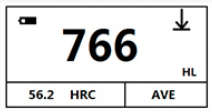
Measuring range	80~1042HV; 100-450HB; 20-70HRC
Loading force	10N
Measuring accuracy	±4%(<500HV)
	±5%(500HV~800HV)
	±6%(>800HV)
Repeatability	8%(<250HV)
	6%(≥250HV)
Indenter	vickers diamond indenter
Measuring direction	Support 360°
Hardness scale	HV, HB, HRC
Dimensions (mm)	170x75x40
Weight (g)	500

Pen Type Leeb Hardness Tester

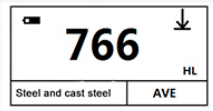
HL10/HL11/HL12

Feathers

- Intelligent operation
  Easy operation with several buttons, magnitude and Rockwell values displayed.
- Industrial bright OLED display
  Good performance of OLED display, even in the sunshine.
- Accurate measurement value
  high accuracy shown value error ± 0.5% (HLD=800), showing the value of repeatability of 0.8%
- Supports a variety of hardness standards
  HL、HV、HRA、HRC、HRB、HB、HV、HS
- Large capacity of data storage
  Mass storage hitherto unknown, leading the technology trend. The retention of data to measure the hardness of 300 groups.
- Support "forged steel (Steel)" materials
  Hardness values can be preset, limit, beyond the range of automatic alarm, convenient batch testing needs.
- Working Hours: 10 hours
  Note: the above features are related to the type of the machine , please refer to the following data.



Display interface(H10)



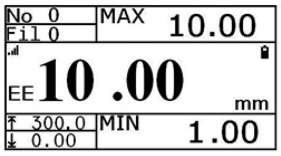
Display interface(H11/H12)

Specification

Testing direction	
Highly accurate in any impact direction	
Testing Range	
(170-960)HLD,(17.9-69.5)HRC,(19-683)HB,(80-1042)HV,(30.6-102.6)HS,(59.1-88)HRA,(13.5-101.7)HRB	
Hardness Standards	
HL、HV、HRA、HRC、HRB、HB、HV、HS	
Accuracy	
HLD：±0.5% (800HLD)	
Repeatability Value	
HLD：0.8%　(800HLD)	
Resolution	
128×64 OLED display	
Dimensions	
148mm×40mm×30mm	
Power Supply	
Rechargeable lithium battery	
Working Hours	
About 10 hours	
Working Conditions	
Operating temperature: 10-50 c;Storage temperature: -30 ℃ -60 ℃;Humidity: 90% max;	
Standard Equipped:	
The instrument host	1
The nylon brush	1
Small bearing rings	1
The ABS instrument	1
Applicable Materials	
Steel and cast steel, alloy tool steel, stainless steel, gray cast iron, nodular cast iron, cast aluminum alloy, copper zinc alloys (brass), an alloy of copper and tin, copper(bronze)	
Application	
Bearings and other parts; Failure analysis of pressure vessel, steam turbine generator group and equipment; Heavy workpieces; Mechanical or permanent assembly installed; The test space is very narrow; The original record of formal requirements on test results;	

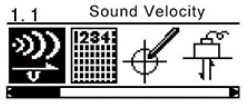
Ultrasonic Thickness Gauge

JW-TH300



Measuring Interface

Brief Interface



Menu

FEATURES

- Inco Style Menu
- Showing different data modes
- Stroll Bars Indicates Function
- Free to change : Huge front and normal

FUNCTION

- USB for Storage, Plug and Play
  Covenient to read thickness values
- Massive Data Memory-100,000 data sets
  1000 files could be saved , every file could memory 1000 data sets
- Statistic Function
  Online statistic: Max Min, Standard Devraation
  Document Statistic: Max Min Average, mean square error
- Probe Connection/Coupling Indicator

OPERATION

- Accurancy : 0.1/0.01mm or 0.01/0.001 inch resolution
- Exra-long standby time : 200 hours.

Specification

Working principle
Ultrasound (ultrasonic pulse echo / echo echo)
Detection range
Normal mode : 0.75-400mm Penetrate the coating : 2-25mm (Depending on the probe, the measured material and surface condition)
Resolution
0.1mm(> 100mm)/0.01mm(<100mm)
Indicator
±（0.5%H+0.01）mm
Velocity
1000~9999m/s，Preset 5 commonly used material velocity
Calibration
Through the realization of real-time calibration probe zero unique automatic zerocalibration technique
V range correction
Auto
Probeconnection indicating
Yes
Coupling condition
Cue signal coupling intensity; measured value displayed solid / hollow change, visual indication of whether the normal measurement
Frequency bandwidth
0.5-15MHZ
Weight
250g （Including battery）

Ultrasonic Flaw Detector

NDT-X5

FEATURES

- One Function Key, Easily Operate
- Ideal Menu Style
- Auto Calibration : Velocity, Probe Delay, Angle/K Value

FUNCTION

- USB for storage, plug and play
  Convenient to read thickness values
- B Scan-Display Flaws Directly
  Reducing analysis difficulty , missing detector
- Massive Data Memory
  200,000 values/5 minutes video
- Electronic Choice : Flaw detector together with high accurate thickness measured
- 5 Intelligent DAC curves , comply to JIS and API standard

OPERATION

- High Accuracy: 10 places for AD samples
- Extra-long Standby Time:
  20 hours, getting rid of trouble from battery
- Display screen could be adjusted to provide 5 optimum brightness
- Magnesium alloy case, AP65 encapsulation, strong and durable , avoiding electro-magnetic interference

Specification

Measuring Range
1.0~12000mm
Resolution
0.01mm(<100mm) 1mm(>100mm)
Velocity
500~20000m/s 20 fixed velocities
Delay
-20~3400us /resolution : 0.1us
Probe Delay
0~99us /resolution: 0.01us
Auto Calibration
Velocity Calibration &Probe Delay Calibration
Linear Error
Horizontal error≤0.1% Vertical error≤3%
Dynamic Range
≥36dB
Sensitivity
≥64dB 200mmΦ2 flat bottomed hole
Dimension (mm)
240×180×50mm
Weight
1.9Kg（including battery pack）
Working Environment
Temperature：-20℃~70℃ Humidity：5%～90%
Dive Pulse
Negative spikes, high energy/low adjustable
Launch Repetition Frequency
PFR transmit pulse continuously adjustable
Matched Damp
50/150/400Ω
Measuring mode
Peak/Verge
Bandwidth
0.3~1/0.5~4/2~15MHZ
Detector Pattern
0/0.1/0.2/0.5/1/2/6/12/ 0~110dB
Detector Pattern
RF/Full-Wave/Positive/Negative/half-wave

Auto Level

AL8-32

AL9-32B

AL10A-32H

AL12A-32

Type	Manetic Compensator	Air Dumping Compensator	Air Dumping Compensator	Air Dumping Compensator
Material	Metal Body, Plastic Cover	Metal Body, Plastic Cover	Metal Body, Plastic Cover	Metal Body, Plastic Cover
Model	AL8-32	AL9-32B	AL10A-32H	AL12A-32
Image	Erect	Erect	Erect	Erect
Objective Aperture	38MM	36MM	36MM	36MM
Field Of View	1° 20′	1° 20′	1° 20′	1° 20′
Minimum Focusing Distance	1M	0.6M	1M	1M
Stadia Ratio	100	100	100	100
Setting Accuracy	0.5″	0.5″	0.5″	0.5″
Compensating Range	±15′	±15′	±15′	±15′
1KM Double Run Leveling	±2.5MM	±1.5MM	±1.5MM	±1.5MM
Circular Level Sensitivity	8′ /2MM	8′ /2MM	8′ /2MM	8′ /2MM
Horizontal Circle Graduating	1° or 1gon	1° or 1gon	1° or 1gon	1° or 1gon
Net Weight	1.4KG	1.4KG	1.4KG	1.4KG

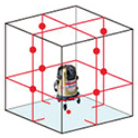
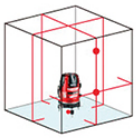
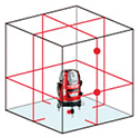
AL15-32

AL16-32X/36X

DSZ-32

Type	Temperature Compensator	Air Dumping Compensator	Air Dumping Compensator
Material	Metal Body, Metal Cover	Metal Body, Plastic Cover	Metal Body, Plastic Cover
Model	AL15-32	AL16-32X/36X	DSZ-32
Image	Erect	Erect	Erect
Objective Aperture	42MM	40MM	36MM
Field Of View	1° 20′	1° 20′	1° 20′
Minimum Focusing Distance	0.6M	0.6M	1M
Stadia Ratio	100	100	100
Setting Accuracy	0.5″	0.5″	0.5″
Compensating Range	±15′	±15′	±15′
1KM Double Run Leveling	±1.5MM	±1.5MM/1MM	±2.5MM
Circular Level Sensitivity	8′ /2MM	8′ /2MM	8′ /2MM
Horizontal Circle Graduating	1° or 1gon	1° or 1gon	1° or 1gon
Net Weight	2.2KG	1.5KG	1.4KG

Sensor Type Laser Level

A8844EN 4V4H9D Sensor Type Red laser		A8445 4V1H3D Sensor Type Red laser		A8448 4V4H3D Sensor Type Red laser	
					
Wave length	635 nm 10mW/red line 650 nm/dot	Wave length	635 nm 10mW/red line 650 nm/dot	Wave length	635 nm 10mW/red line 650 nm/dot
Accuracy	± 1mm/10 M	Accuracy	± 1mm/10 M	Accuracy	± 1mm/10 M
Wide Width	< 2.5mm/5M	Wide Width	< 2.5mm/5M	Wide Width	< 2.5mm/5M
Time of stable equilibrium	≤ 15 sec	Time of stable equilibrium	≤ 15 sec	Time of stable equilibrium	≤ 15 sec
Working temperature range	-15° C～50° C	Working temperature range	-15° C～50° C	Working temperature range	-15° C～50° C
Dimensions	Φ110x195mm	Dimensions	Φ110x195mm	Dimensions	Φ110x195mm
Weight(itself)	1248g	Weight(itself)	1211g	Weight(itself)	1211g
Auto self-leveling range	± 3°	Auto self-leveling range	± 3°	Auto self-leveling range	± 3°
Battery power	4pcs AA alkaline batteries	Battery power	4pcs AA alkaline batteries	Battery power	4pcs AA alkaline batteries
Life time(MMTF)	> 5000 hours	Life time(MMTF)	> 5000 hours	Life time(MMTF)	> 5000 hours
Safety/Quality approval	CE	Safety/Quality approval	CE	Safety/Quality approval	CE

Laser Distance Meter

JG-40/60/80/100

JW-D40/60/80/100

NS-20

S-50/70

Model Number	JG-40/60/80/100	JW-D40/60/80/100	NS-20	S-50/70
Measurement range	0.05-40m/60m/80m/100m	0.05-40m/60m/80m/100m	0.05～20M	0.05～50M
Measurement accuracy	±1.5mm	±1.5mm	±3mm	±3mm
Laser class	II	II	II	II
Laser diode	635nm , P＜1mW	635nm , P＜1mW	635nm , P＜1mW	635nm , P＜1mW
Battery life	＞10000 times	＞10000 times	＞30000 times	＞20000 times
Working temperature	-10℃～+50℃	-10℃～+50℃	-10℃～+50℃	-10℃～+50℃
Storage temperature	-25℃～+65℃	-25℃～+65℃	-25℃～+65℃	-25℃～+65℃
Weight	135g	125g	104g	125g