

ZD322 Rebar Detector



Accurately detect the location of the rebar

The intuitive operation and handheld ergonomic design with good durability

The built-in high capacity lithium battery
Low power consumption

Product description



Range Of Application



Accurately detect the location of the rebar



Thickness of the protective layer



Inspecting and accepting concrete structural construction quality.



Installation of furniture and air-condition.



The location of rebar for drilling, cutting and coring operations



Testing the distribution and direction of electric cables, pipelines and metalwork inside walls and floors.

1.1 Brief Introduction

The first generation portable rebar integrated detector ZD322 uses an electromagnetic induction method, which can detect the rebar location and cover thickness & diameter accurately, store, transfer and analyze the real time test data. The model ZD322 is the pinnacle of work with the modern simple design, incorporating the handy & durable features and sophisticated electronic technology.

ZD322 series rebar detector is mainly used to test the location, distribution, direction, the thickness of rebar and the diameter of cover in concrete structure such as walls, columns, beam-slabs etc. It can also detect the location of pipelines and metal embedded parts. The multiple coil structure design make it more accurate & responsive and higher resolution.

1.2 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.

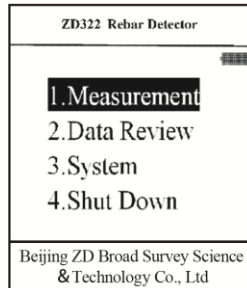
1.3 Features

- ◆ 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.

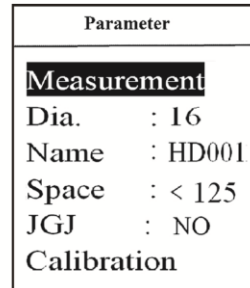
1.4 Technical Specifications

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	

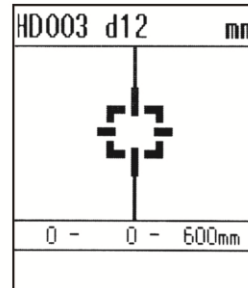
1.5 Measurement interface



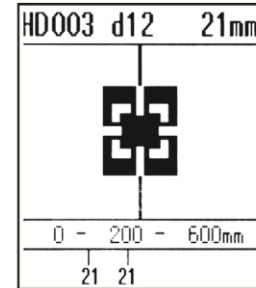
a. The Main Menu Interface



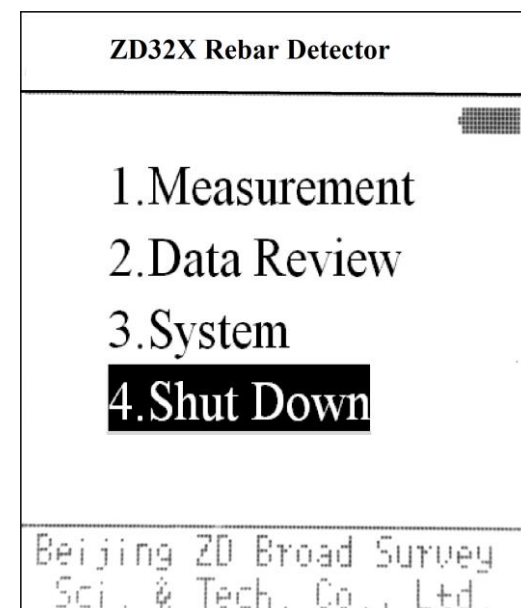
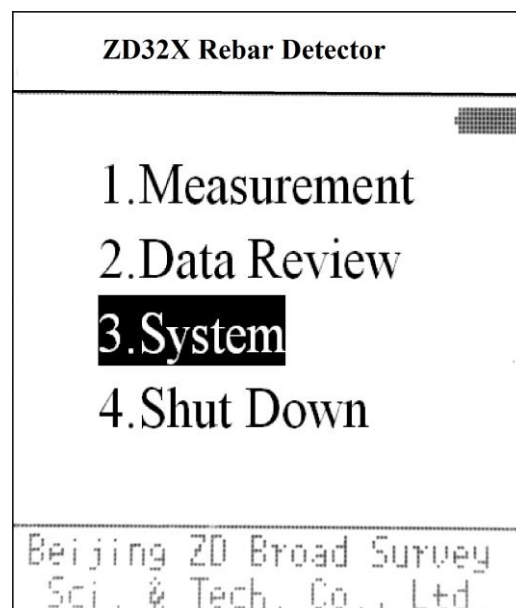
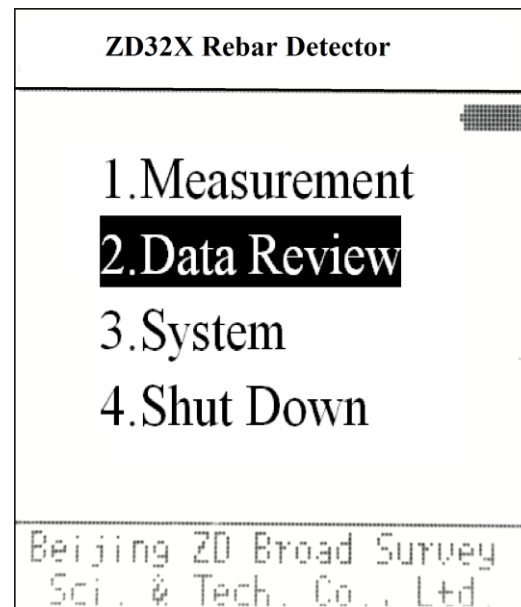
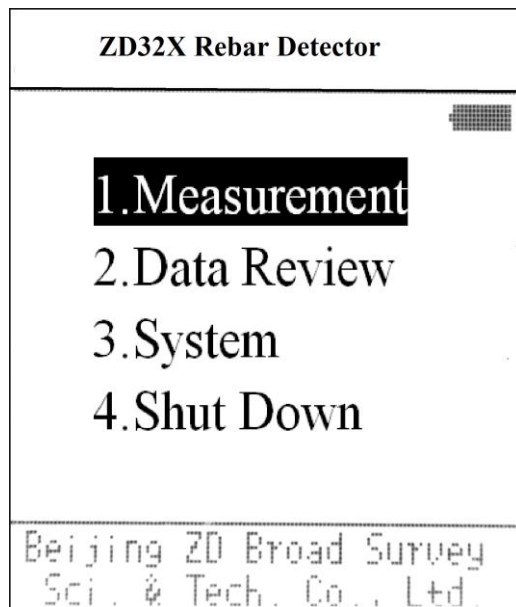
b. Start Measuring Interface

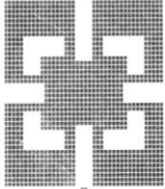
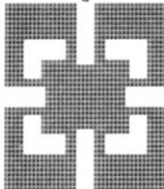


c. Measuring Interface



d. Measuring Location Interface



HD003 d12 21mm	HD003 d12 23mm
Testing	
	
0 - 100 - 600mm	Times 6 22mm
21	1. 2. 3. 4. 5. 6.
	22 22 22 22 23 23