

LR- Integrated Rebar Scanner

It is mainly used to detect the position, distribution and direction of rebar,
Thickness of concrete cover and estimation diameter of rebar in reinforced concrete
structures.



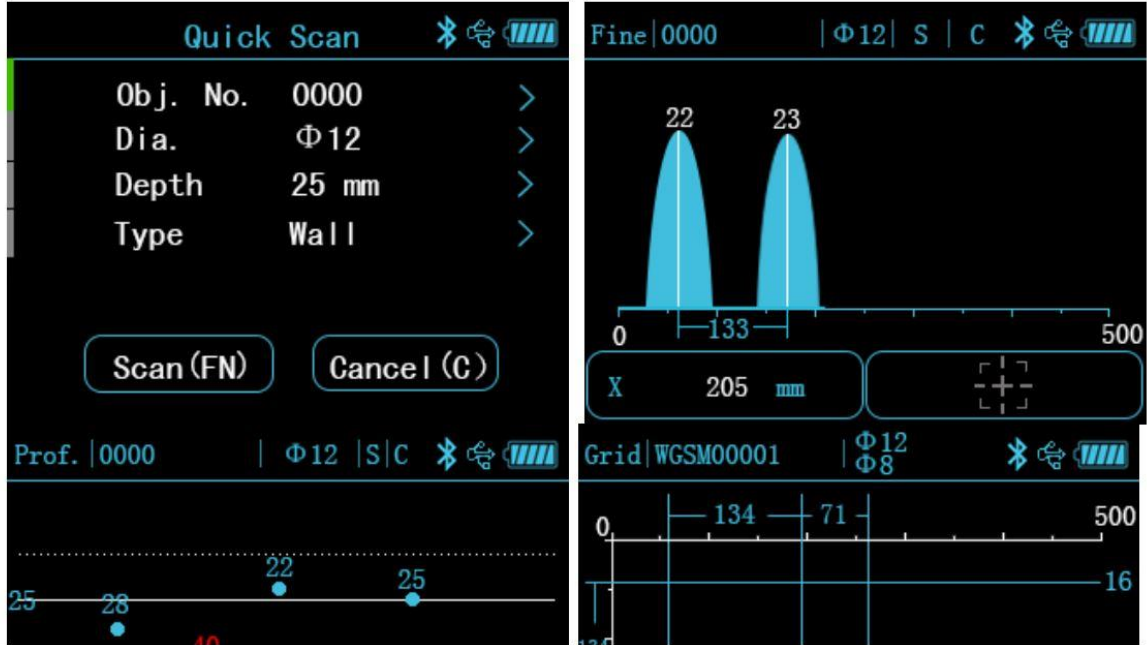
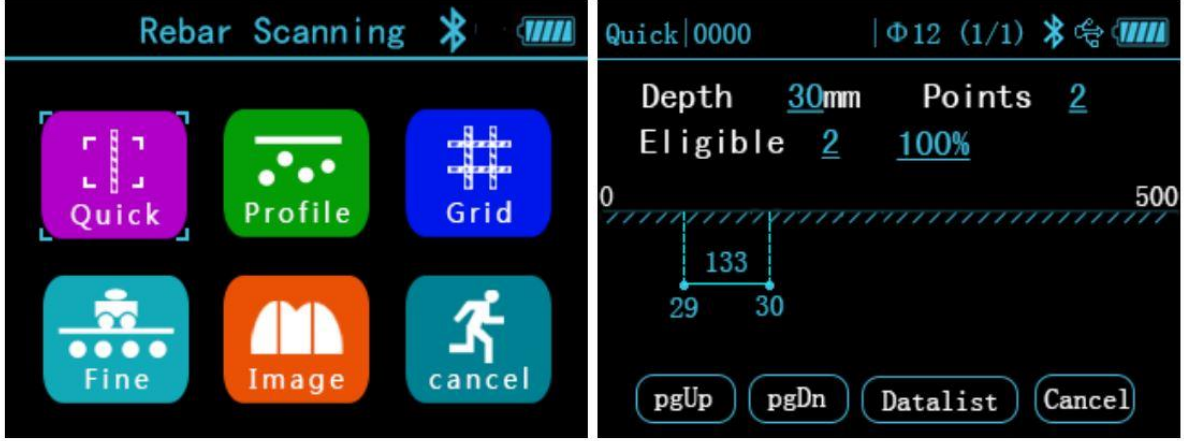
STANDARDS :

DIN 488

ASTM A 615/A 615M-01b

CAN/CSA-G30,18-M92

GB 50012-2002



PRODUCT FEATURES

1. The instrument sensor is of integrated structure in small size, thus permitting easy operation.
2. Carry out testing with combination of high-power transmitting coil and multiple small coil to ensure higher accuracy and resolution.
3. Perform displacement scanning and rebar distance measurement at a higher accuracy level with use of high-accuracy grating sensor.
4. Provide different types of scanning to suit the different measurement cases.

5. Permit large and small-range testing, with the scanning distance up to 65m max.

Perform data testing in a flexible way. The instrument itself allows storage of max. 4000 components.

6. Permit correction of multiple stirrup so as to obtain more accurate testing results.

7. Furthermore, the USB wire data transmission and Bluetooth wireless data transmission are allowed so that the quick data uploading is possible.

8. Use 3.2" 65K color LCD screen to yield the higher resolution and better display, plus the capacitive touch screen, thus facilitating the man-machine interaction.

SPECIFICATIONS:

Description		Technical indicators
Applicable range of rebar diameter(mm)		Φ6-Φ50
Max. range (mm)	1st range	2~100
	2nd range	2~200
Max. allowable deviation on concrete cover depth	±1 (mm)	2~80
	±2 (mm)	81~120
	±3 (mm)	121~160
	±4 (mm)	161-200
Applicable range on diameter estimate (mm)		Φ6-Φ50
Max. deviation on diameter estimate		±1 spec
Display accuracy on diameter estimate (mm)		0.1

Performance indicators on LR-G200 integrated rebar scanner							
Quick scanning	Fine scanning	Profile scanning	Grid scanning	image scanning	3-D imaging	Range of scanning	Mode of data transmission
Yes	Yes	Yes	Yes	Yes	Yes	Unbounded	Bluetooth or USB
Data correction	Way of power supply	Instrument weight	Screen size	Laser positioning	Touch screen operation	Screen lattice	Instrument size
Yes	Lithium battery	1KG	3.2"	3 wire	Yes	320x240	235x120x130

The rebar detection data analysis software is a multi-function analysis software developed for processing the rebar detection data.

The software can run in XP/win7/win10 OS, presenting friendly interface and easy operation, which is specifically designed for project detection staff.

- 1) Conduct management on all component information as well as the detection data at each measuring point;
- 2) Conduct analysis and evaluation on detection data according to the construction quality acceptance criteria;
- 3) Display the component data in a graphic way;
- 4) Generate a detection data file through integration of several ones; it is easy to add or remove the detection data;
- 5) Print the preview and export treatment results;
- 6) It is easy to import the rebar scanner data into the computer with use of the software to facilitate further analysis and archive;
- 7) Automatically generate the detection report in word format.

The data files saved in the software has the file extension name in .xgfy format. The detection report automatically generated has the file extension name in .docx format.

