Integrated Rebar Detector

The integrated rebar detector is a portable non-destructive testing instrument, which can be used to test the construction quality of reinforced concrete structures. It can measure the position of rebars on the concrete surface, detect the thickness of the steel protective layer and the diameter of the rebar.

Compact size, light weight, easy to carry, wireless cloud transmission function, laser precise positioning of steel bar position;
Thickness detection mode is intuitive, showing thickness and steel spacing at the same time.
Waveform scanning mode shows the distribution of reinforcing bars intuitively, and it is more intuitive to detect and analyze dense reinforcing bars.
The waveform scanning mode also shows the thickness and spacing of the rebar protective layer.
It can detect the middle position of the two reinforcing bars,
The instrument automatically stores the calibration value, realizes fast measurement and avoids the trouble of each calibration.
Boundary-free mesh/profile scanning, the length of waveform scanning can reach 6m at a time.
PC professional data analysis software.

Rebar diameter setting range (mm)	6mm~50mm
Small range	1~90mm
Large range	1~210mm
Maximum Allowable Error of Protective Layer Thickness	±1（mm） 1~59mm
	±2（mm） 60~69mm
	±4（mm） 70~119mm
	±6（mm） 120~210mm
Applicable Scope of Diameter Estimation	6mm~32mm
Maximum error of diameter indication	Specification (+1)
Profile measurement function	YES
Mesh measurement function	YES
Waveform measurement function	YES
Probe self-calibration	YES
Host parameters	Screen size: 2.8 inch resolution: 240 x 320
	Volume: 220 x 93 x 110 mm weight: 0.6 kg
Data transmission mode	TF card, wireless cloud transmission (optional)
Power supply	lithium battery
storage capacity	2000 Components*1000 Measuring Points
Working environment requirements	Temperature: -10 C to+40 C Humidity: <90% RH
Other requirements	There is no corrosive gas in the air. No strong electromagnetic interference. There should be no large vibration and shock. Instruments to avoid direct sunlight