
ZBL-R800 Multifunction Rebar Detector



Introduction:

1. It can scan the location and distribution of rebar, measure rebar's concrete cover meter and diameter of rebar in bridge, tunnel wall and other constructions.
2. It can detect ferromagnet and conductor like electric wire, heat and water pipeline, cable etc, in non-ferromagnetic media, such as in wall or floor, and find their distribution and location.
3. It can measure the quantity of reinforcement when renovating an old building.
4. ZBL-R800 NDT Multifunctional Rebar Detector can test the rust or corrosion of rebar.

Features:







1. It has unique 4 Wheel probe, for fast and reliable rebar scanning on large structures.
2. dust proof and waterproof
3. Small probe for detection in smaller structure with limited space
4. It provides the capability to detect rebar, accurately.
5. As the instrument probe comes closer to the rebar, the signal strength bar increases –When on top of rebar, the instrument automatically locks the thickness value of cover.
6. Automatic storage option is available in instrument.
7. The instrument allows parameter setting, and you can set various parameters including estimated diameter, minimum cover to detect, type of structure etc.
8. The R800 contains data storage and data transfer capability.
9. Based on natural potential method and potential gradient method (two methods), ZBL-R800 can detect corrosion range and corrosion distribution of rebar in building structures, and foresee and prevent great accidents.
10. Data transfer to USB-thumb drive is available.
11. It can generate rebar corrosion potential contour graph.
12. Software provided for data processing of corrosion potential data is very user-friendly.
13. Generate final analysis report

14. Rebar detection is automatically alerted by the probe via flashing red light.

Technical specifications:

Applicable rebar diameter range		Φ6mm~Φ50mm		Corrosion detection method	Single electrode	Double electrode
Rebar cover meter range (mm)		First range	Second range	Measuring range	±1000mV	0~1000 mV
		3~98	3~196	Accuracy	±1mV	±1mV
Maximum allowed error for cover meter	±1 mm	6~56	3~77	Tested points Interval X	0~100 adjustable	20 fixed,
	±2 mm	58~69	80~118	Tested points interval Y	0~100 adjustable	0~100 adjustable
	±4 mm	70~98	120~196	Power	Built-in chargeable lithium battery	
Maximum allowed error for diameters measurement		±1 rebar standard level		Battery Time	>38 hours	
Data transmission		USB		Dimensions	212mm×134mm×50mm	
USB port		thumb drive storage available		Weight	0.9kg	

Main parts

					
ZBL-R800	Multi-parameter probe	electrode	Signal wire	Adaptor	Waterproof case