

HC-GY31 Rebar Detector

DESCRIPTION

The concrete rebar detector is primarily used for detecting the location, distribution, orientation, cover thickness, and diameter of rebar in concrete structures. It is also used for quality acceptance testing of concrete structures in building construction, rebar detection in bridges and tunnels, assessment of the safety and durability of under-construction structures, evaluation and retrofitting of existing structures, and detection of ferromagnetic and conductive bodies in non-magnetic media.

KEY FEATURES

- Real-time display of cover thickness and spacing data, with automatic data storage.
- High-precision sensor: Uses imported encoder, smooth four-wheel drive, and bar-shaped light guide for accurate rebar positioning and higher on-site detection accuracy.
- Interference-resistant algorithm for dense rebar: Enhances resolution precision and ensures consistent and stable data.
- Built-in Bluetooth chip: Connects to the Hichuang mobile app for real-time data upload.
- Compact design: 5-inch high-definition full-color LCD screen, 32-bit CPU processor for smoother core operations and more efficient detection.
- Removable high-capacity lithium battery: Low-power design allows continuous use for over 21 hours on a single charge.
- Supports JGJ detection functions: Meets regulatory requirements.
- Remote instrument software upgrade: Enjoy convenient service support with self-adaptive PC drivers and driver-free installation.
- Professional data processing software: Easily generates inspection reports.



TECHNICAL SPECIFICATIONS

Features	Parameters
Rebar Diameter Setting Range	Ø 6mm to Ø 50mm
Maximum Measurement Range	First Range: 1-105mm Second Range: 5-205mm
Maximum Allowable Error for Cover Thickness	±1mm: 6-80mm
	±2mm: 81-120mm
	±4mm: 121-205mm
Diameter Estimation Applicable Range	Ø 6mm to Ø 50mm
Maximum Diameter Estimation Error	±1 specification
Profile/Grid Mode	Supported
Scanning Range	Unlimited
Storage Capacity	2 million measurement points
Data Correction Function (Spacing/Thickness)	Supported
Data Transfer Interface	USB
Power Supply	Rechargeable lithium battery

COMPONENTS



Main Unit of the Detector



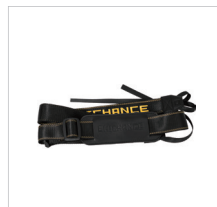
Detection Probe



Signal Connection Cable



Charger



Shoulder Strap



Carrying Case