

R630A REBAR SCANNER

For Rebar Cover & Dia Measurement



The R630A Rebar Scanner provides the capability to detect :

- Location of rebar in concrete.
- Thickness of cover or protective layer.
- Rebar diameter.
- Rebar Grid Scan Orientation and distribution of rebar.

Powerful instrument with a large LCD screen display. The instrument provides significant capability at an economical price.

The R630A is provided with 2 probes - a 4 wheel probe for fast scanning of larger structures & a smaller probe for smaller spaces or scanning of sections with dense rebar.

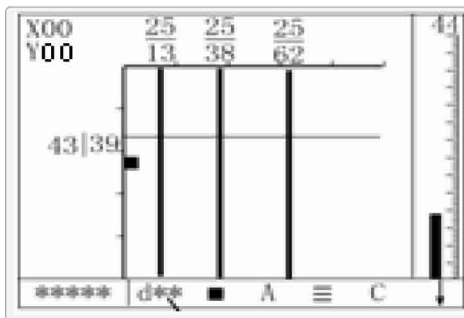


Easy to Use & Powerful :

- The instrument provides the capability to very accurately and **comprehensively detect rebar** .
- The instrument provides a display which also includes a signal strength bar.
- 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.
- **Automatic storage** option is available in instrument.
- The Instrument allows through parameter setting definition of various parameters including **estimated dia**, **Minimum** cover to detect, type of structure etc.



The instrument provides following methods of scanning :



- **General Scan** : for fast detection of rebar.
- **Dense Rebar Measurement** : for allowing detection of rebar in structures which may have presence of high density of rebars such as beams.
- **Grid Scan** : that allows distribution of rebar to be evaluated through grid diagram with definition of rebar cover and diameter in X (Horizontal) and Y (Vertical) directions.

Features :

Two probes provided as standard with instrument, providing flexibility to use on a variety of structures :

- Unique 4 Wheel probe, dust proof and waterproof, for fast and reliable rebar scanning on large structures.
- Small probe for detection in smaller structure with constricted spaces or where dense sampling may be required by slower scanning.



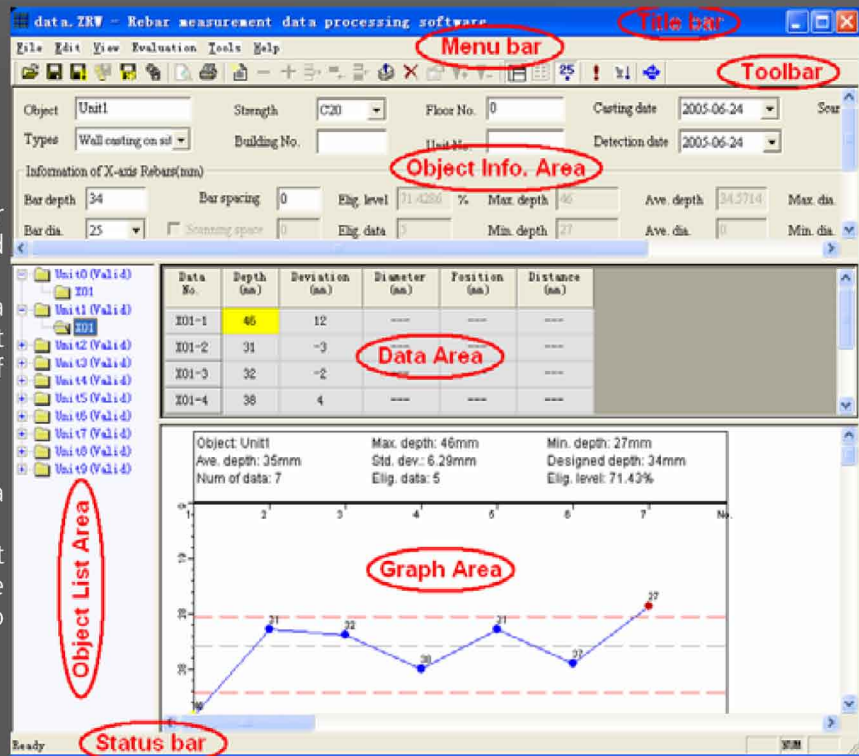
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The R630A Instrument provides data storage and data transfer capability.

Software provided for rebar measurement data processing:

- Is an Easy to Use Powerful processing software provided for generation of reports. Operates on windows based computers.
- The software provides the capability to manage data acquired including object information and measurement point data such as cover depth, diameter and position of rebar.
- To generate graph of object data.
- The software allows merging of multiple test data.
- Print Preview and Print out capability for measurement data from software menu.
- The software provided is a powerful engineering tool that allows input of design strength, detection date, object type and also allows input of scanning distance between two scans in same direction.



Technical Specification:

Rebar diameter range (in mm)	Φ6mm~Φ50mm		
Protective layer thickness range (mm) {Cover}		First range (in mm)	Second range (in mm)
		3~98	3~196
Estimated error for protective layer thickness	±1 mm	3~56	3~76
	±2 mm	57~69	80~119
	±3 mm	70~98	120~196
Estimated allowed error (Rebar)	±1 rebar standard		
Data transfer	USB drive		
Power	Built-in rechargeable lithium battery		
Battery operating Time	>25 hours		
Size	212mm x134mm x 50mm		
Weight	0.9kg		
Data storage	992 objects (each object can store upto 999 thickness values of cover)		

Product Supply Includes:

R630A instrument, Small probe, 4 Wheel probe, waterproof case.

