

REBAR LOCATOR TC100/110



Brief Introduction

TC100/110 is used to detect the thickness of concrete covering layer and rebar diameter. Besides, it can detect the location of magnetic substance and electric and electric conductor in non-magnetic and non-conductive medium, e.g. cable inside wall body and water & heating pipe etc. It is a kind of intelligent nondestructive test equipment possessing the functions of automatic detection, data memory and output.

Features

- Acceptance inspection of cover after formwork is removed
- Locate rebars to avoid them when drilling holes
- Provide essential data (location, cover, diameter of rebars) for strength calculations of reinforced concrete structures
- Measuring concrete cover thickness
- Quality assurance in mass production of fabricated concrete elements
- Measuring the thickness of concrete over steel reinforcement and metal pipes
- Signal strength bar display and sound alarm for high accuracy
- Real time graphic output both to screen and printer
- Data processing software compatible with windows 95/98/2000/Me/WT/XP
- Auto calibration, correct the system error
- Three scan modes for TC110: grid pattern, profile scan and large area scan
- For TC110: direct display gridding and profile image of rebar

Technical Specification

Covering layer thickness measuring range	Range : 6mm-90mm	
	Range : 7mm-180mm	
Rebar diameter measuring range	Ø6mm- Ø50mm	
Tolerance of covering layer thickness	Range	Range
± 1mm	6mm-59mm	7mm-79mm
± 2mm	60mm-69mm	80mm-119mm
± 4mm	70mm-90mm	120mm-180mm
Display	Large graphic display with backlight	
Operating temperature	-10 -40	
Relative humidity	<90%	
Dimension	210mm x 153mm x 90mm	
Net weight	880g	

Other special testing conditions

- Avoid strong magnetic field interruption
- Avoid high temperature
- Has no corrosive gas in the atmospheric

Standard Delivery (TC100)

Main unit	1
Transducer	1
Software	1
Signal cable	1
Shoulder strap	1
AA battery (LR6)	6
Key	2
Instruction manual	1
TIME certificate	1
Warranty card	1

Standard Delivery (TC110)

Main unit	1
Transducer	1
Software	1
Signal cable	1
Shoulder strap	1
Connecting cable	1
Scanning trolley	1
AA battery (LR6)	6
Key	2
Instruction manual	1
TIME certificate	1
Warranty card	1