



TC100



TC110

### 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 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.

### Applications:

- 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

### Features:

- Measuring the thickness of concrete over steel reinforcement and metal pipes
- Detect the rebar location and diameter
- Large graphic display with backlight
- Signal strength bar display and sound alarm for accuracy reading
- Depth of covering layer reach up to 180mm
- Real time graphic output both to screen and printer
- Data processing software compatible with windows 95/98/2000/Me/NT/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	φ6mm~ φ50mm		
Tolerance of covering layer thickness	Range	Range	
	± 1mm	6mm~59mm	7mm~79mm
	± 2mm	60mm~69mm	80mm~119mm
	± 4mm	70mm~90mm	120mm~180mm
Operating temperature	-10 ~ 40		
Relative humidity	<90%		

### 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
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
Signal cable	2
Shoulder strap	1
Scanning trolley	1
AA batteries(LR6)	6
Key	2
Instruction manual	1
TIME certificate	1
Warranty card	1