

# Concrete Covermeter / Rebar Locator TC110



The TC110 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.

The instrument has a scanning mode which allows you to view the results on the screen as you scan an area.

## Application

- 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

- Quality assurance in mass production of fabricated concrete elements
- 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/WT/XP
- Auto calibration, correct the system error
- Three scan mode: grid pattern, profile scan and large area scan
- Direct display grid and profile image of rebar

## Technical Specifications



BAMR (Pty) Ltd, PO Box 23973, Claremont, 7735, South Africa  
Ph : 27 (0)21 683 2100, Fax : 27 (0)21 674 1485  
Email : sales@bamr.co.za Web : www.bamr.co.za

Covering layer thickness	Range I :	6mm to 90mm
Measuring Range	Range II:	7mm to 180mm
Rebar diameter measuring range	Ø6mm to Ø50mm	
Tolerance of covering layer thickness	Range I	Range II
±1mm	6mm to 59mm	7mm to 79mm
±2mm	60mm to 69mm	80mm to 119mm
±4mm	70mm to 90mm	120mm to 180mm
Operating temperature	-10°C to 40°C	
Relative humidity	<90%	

## Standard delivery

- Main unit
- Transducer
- Signal cable x 2
- Scanning trolley
- Shoulder strap
- AA Batteries ( LR6 ) x 6
- Key
- Instruction Manual
- Certificate
- Warranty Card

