Concrete Rebar Locator

TC-100 Series

Detection of rebar and other metal building elements (such as steel pipes) and their orientation

Easy and accurate measurment of concrete cover depth and rebar diameter

Self correction function to eliminate the influence of neighbouring bars

Large LCD display with backlight

Optical as well as acoustic position signals

RS-232 output and data memory

Metric or imperial (mm/inch) setting

Concrete Rebar Locator – TC-100 /TC-110

TC-100 / TC -110

The TC-100 / 110 series of compact, lightweight rebar detection systems offer the power of non-destructive pulse-induction technology for the detection and analysis of rebar positions and concrete thickness in concrete structures.
The instruments are compact, accurate, solid and can stand the harshest environments. The gauge is easy to operate and does not require special skills.
The systems detect reinforcement bars and mesh, to measure their cover depth and to determine the bar diameter.
The TC-100 and TC-110 offer simply one of the most convenient ways to inspect your concrete structures.

Applications

- Acceptance inspection of cover after formwork is removed
- Locate rebars before drilling holes
- Provides essential data (location, cover, diameter of rebars) for strength calculations of reinforced concrete structures
- Measuring concrete cover depth
- Quality assurance in mass production of prefabricated concrete elements

Product variations

- TC-100, standard unit (without probe cart) plus probe and standard accessories

- TC-110, same as above plus standard supplied with probe cart, three scan mode, grid pattern, profile scan and large area scan direct display gridding and profile image of rebar

Standard accessories:

- Gauge with probe
- Signal cables
- Data analysis PC software
- Batteries
- User manual
- Calibration certificate

Technical Specification

Covering layer thickness ranges:	6 to 90 mm
	7 to 180 mm
Rebar diameter measuring range:	6-50 mm
Accuracy:	± 1 % to ± 4 % tolerance at the end of the range
Real time graphic output:	to screen and printer
Power:	6 x 1.5 V for 45 h operation; 30 h with backlight on
Operating temperature:	-15℃ ... 50℃
Standards:	BS 1881 part 204, Din 1045, SN 505 262, DGZfP B 2 (recom.)

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