

TC-100 SERIES

Concret rebar locators





TC-100/TC-110
CONCRETE REBAR LOCATOR

FEATURES

The TC-100/TC-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 user interface 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.

- Detection of rebar and other metal building elements (such as steel pipes) and their orientation
- Easy and accurate measurement of concrete cover depth and rebar diameter
- Self correction function for 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
- Acceptance inspection of cover after formwork is removed, locate rebar's to avoid them when 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

TECHNICAL SPECIFICATIONS

Covering layer thickness range	small (1) 6 to 90mm large (2) 7 to 180mm
Rebar diameter measuring range	6mm - 50mm
Accuracy	+/- 1% to +/- 4% tolerance at the end of the range
Standards	BS 1881 part 204, SN 505 262, DIN 1045, DGZfP B2 (recom.)
Real time graphic output	To screen and printer
Power	1.5 V (6 pcs) for 45 h operation; 30 h with backlight on
Operating temperature	-15°C - 50°C

STANDARD DELIVERY

- Main unit & probe
- AA battery (6 pcs)
- Signal cables
- Manual
- INNOVATEST certificate



ORDER DETAILS

- TC-100** Standard unit (without 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

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