



DR3000 PK COVER METER

The DR3000 PK instrument complies with standard BS 1881- 204

The reinforcement bars location inside concrete structures is an important issue for on-site tests. This is required to carry out core drillings, cuts or other drillings, and must be carried out before any Non-Destructive or Destructive tests to be performed on structures in reinforced concrete.

DR3000 PK cover meter makes use of the electromagnetic induction principle, that allows to accurately determine position, diameter and concrete covers of the reinforcement bars.

The pacometer exploits the magnetic properties of iron to detect ferrous material inside concrete structures. All acquired data is saved in the device for the further analysis.

DR3000 PK cover meter makes use of the principle of induced currents. This characteristic prevents measurement from being subject to external influences and disturbances, ensuring precision and reliability of the measurement.

Thanks to its small sizes and weight, this instrument represents a reliable tool for carrying out effective and quick surveys. It is handy and sturdy at the same time.



■ SPECIFICATIONS

Ergonomic, handy, sturdy, impact resistant.

128x128 pixel, back-lit LCD graphics display.

Possibility to save more than 10,000 values, sub-divided by work sites.

Power supply: lithium rechargeable battery, which ensures large autonomy and low consumptions (standby mode is possible for over 20 hours).

Operating temperature: between -10°C ~ $+42^{\circ}\text{C}$.



■ FIELDS OF APPLICATION

- Identification and location of reinforcing bars, estimate of the size of the metallic element and of the thickness of concrete and bar covers (concrete covers);
- Structural analysis of buildings;
- Analysis of structural steel as indicated in knowledge levels LC1-2-3;
- Analysis of minimum concrete thickness for REI fire protection certification.

TECHNICAL SPECIFICATIONS

PERFORMANCE

MEASURE RANGE OF DIAMETERS	Φ6 ~ Φ50 mm
MEASURE RANGE (DEPTH)	Measure range: 1~120 mm First range: 1~60 mm Second range: 30~120 mm
ACCURACY IN COVER METER MEASUREMENT	1~40 mm ±1 41~60 mm ±2 61~80 mm ±3 81~100 mm ±5 101~120 mm ±8
ACCURACY IN REINFORCEMENT BAR LOCATION	1~60 ±3 61~120 ±6
DIAMETER MEASUREMENT	Estimating the diameter of the bar of the component in question

PERFORMANCE

JGJ MEASUREMENT	Possibility to measure the single point of each bar again
DATA BACKUP	More than 10,000 values, sub-divided by components in question
AUTO SHUTDOWN	Automatic
BATTERY	Lithium rechargeable battery
WORKING TEMPERATURE	-10°C ~ +42°C

PHYSICAL

DIMENSIONS	170 x 78 x 38 mm
WEIGHT	280 gr



THE KIT INCLUDES:

- DR3000 PK cover meter
- Charger
- USB cable
- Transport case

ORDERING INFORMATION:

cod.: 02.BEJ.0006



WARRANTY & MAINTENANCE

24
months

DRC guarantees maintenance service at its center or at authorized centers.

DRC
Diagnostic Research Company
Non Destructive Testing

For ordering information please contact:

DRC srl
Via Montesicuro snc
60131 Ancona - Italy
Phone: +39 071 8036077
e-mail: info@drcitalia.net

www.drcitalia.it