



NDT Supply.com, Inc.

P.O. Box 7350

Shawnee Mission, KS 66207-0350 U.S.A.

Phone: 913-685-0675, fax: 913-685-1125

www.ndtsupply.com

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CrackChek CC-100

Crack detection has never been easier or more affordable!



Detects and measures surface cracks in steel - *even under thick protective coatings!*

Inspect:

- Bridges and buildings and other structures
- Amusement park rides
- Mining and earth moving equipment
- Cranes and other lifting equipment
- Ships, tanks, military hardware
- Pipelines, pressure vessels and oil field equipment
- Signal Light Masts, etc.

Features:

- Detects cracks under thick coatings
- Simple to use
- Indicates crack severity (depth)
- Accurately find the crack tip
- Minimal training required
- No need to remove paint and other coatings.
- No need to remove oil and grease
- Economical
- Fast – scan a foot of weld in 10 seconds!
- Minimize the use of dye penetrant and magnetic particle inspection (use only to prove-up test results).
- Less expensive than eddy current and ACFM instruments
- Light weight – 0.6 lb. (300gr.)
- No consumables
- No mess
- 14 hour battery operation
- Water resistant case (IP-65)

Kit Price \$2,995.00

Quality Instruments for Quality Inspectors



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SET-UP:

- Place a plastic shim of similar thickness to your coating on the test block.
- Place the probe over a defect free area and press the “balance” button
- Rotate probe so that finger grip is parallel to the notch
- Scan the probe over the appropriate notch in the test block and adjust the sensitivity buttons as required to achieve the required sensitivity.

OPERATION:

plate and pipe:

- Scan the area of interest in a Zigzag pattern, repeat at 90 degrees.

welds:

HAZ

- Place the probe over the Heat Affected Zone immediately adjacent to the weld and scan the length of the weld. Move the probe 1/8” (3mm) and scan the length of the weld, repeat this process until 1/2” (12.5mm) is covered on either side of the weld. Note: the probe finger grip should be parallel with the weld.

WELD CROWN

- Scan the weld crown in a Zigzag pattern. On bare, rough welds, it is helpful to place a plastic sheet or tape over the weld.

THEORY OF OPERATION:

The probe contains a transmitter and receiver. The transmitter creates a stable AC magnetic field in the test material that is disrupted by a crack. The receiver in the probe is a proprietary semi-conductor magneto-sensitive device that detects and measures the resultant magnetic flux leakage that indicates the presence and severity of a crack.

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