OKTANTA

Design and manufacture of
non-destructive testing equipment

PE1437
Pulsed Eddy Current Flaw Detector

Corrosion detection through dirt, rust, paint with thickness up to 100 mm.



PE1437 can detect corrosion areas in steel objects without any preparation of surface. There is no need to remove scale, dirt, paint, etc. The total thickness of scale deposits or paint can be up to 100 mm.



Application of PE1437:



Corrosion detection in 3-Layer Polypropylene Coated pipes and pipelines



Corrosion detection in pipes and pipelines in PPU insulation



Corrosion areas detection in pipes through rust without stripping



Corrosion detection in metal supports of street lights



Inspection of pipes with internal cement coating from the inside of the pipe



Corrosion detection in steel ship parts through a thick layer of paint

Features:

- The device has the minimum size of a probe, so it can operate on small objects and detect small defects.The minimal defect is a flat-bottomed bore 20 mm in diameter to a depth of 20% of the nominal thickness.
- The device has a bright display which shows measured thickness, A-scan and C-scan.
- The display is protected with impact resistant glass.
- The probe has IP68 housing and can be used underwater.





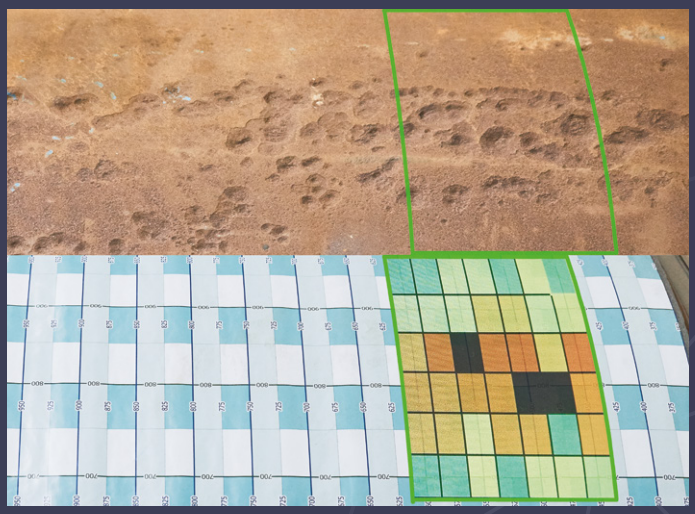
The device comes in a shockproof case, the package includes the device with a protective case, the probe, a charger and a manual.



PE1437 specifications

Range of measured thickness for steel (for PEC143702)	0...12 mm
Range of measured thickness for steel (for PEC143703)	0...18 mm
Average thickness measurement error	10%
Range of insulation coating thickness (for PEC143702)	0...30 mm
Range of insulation coating thickness (for PEC143703)	0...100 mm
Lowest diameter of tested pipes	25 mm
Temperature of metal in the tested object	-20...+100°C
Temperature of enclosure surface in the area of sensor placement	-20...+60°C
Range of operating ambient temperature	-20...+50°C
Time of continuous operation without recharging the battery	8 hours
Cable length	1.5 m
Dimensions	232 x 135 x 44 mm
Weight of the device	0.8 kg





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