



NOVOTEST

Pulse Holiday Detector NOVOTEST SPARK-1



Pulse Holiday Detector NOVOTEST SPARK-1 is designed for testing the continuity of insulation coatings (polymer, epoxy, bitumen, etc.) of oil, gas and other pipelines and other products during their operation and servicing.

Pulse Holiday Detector NOVOTEST SPARK-1 is used to testing the integrity of insulating coatings which are based on polymer materials or bituminous mastics. The pulse Holiday Detector can be used during the building and using the metal oil and gas pipelines with thickness of coatings up to 12 mm. Testing the quality of insulation coatings is used to evaluate the effectiveness of corrosion protection of oil and gas pipelines.

Device is corresponded with the ASTM G62-07, NACE RP0274-2004, NACE RP0490-2007, NACE SP0188-2006, ASTM D4787-08, ANSI/AWWA C214-07, ANSI/AWWA C213-07, ISO 2746:1998 & AS3894.1-2002.

The operation principle of device is based on the fixation the breakdown of locations between the first electrode which is connected to the high-voltage source and the second electrode, which is connected to the pipe (or other testing objects).



The device operates with replaceable electrodes with different shapes, materials, and can be used for solving different tasks.

Specifications of the Pulse Holiday Detector NOVOTEST SPARK-1

Thickness of tested coatings, no more	12 mm
The smallest diameter of the detected defects	0,1 mm
Operation speed of electrode, no more	25 cm/s
Output voltage	0 - 40 kV
Pulse repetition frequency	30 - 35 Hz
Battery life, no less	5 h
Weight of high-voltage transformer	1,6 kg
Weight of electronic unit	1,1 kg
Total weight with kit and package	4 kg

Advantages of the Pulse Holiday Detector NOVOTEST SPARK-1

1. Reliability of device
2. Compactness and lightweight
3. High capacity of battery
4. Long battery life with enhanced battery
5. Accurate digital voltage and sensitivity settings
6. Preset settings
7. Indicator of battery discharge
8. Sound and light defects alarm

Available options of the Pulse Holiday Detector NOVOTEST SPARK-1

There is a wide range of interchangeable electrodes for solving any tasks of coatings testing. Also, we can manufacture electrodes for customer requirements or for user tasks.

Standard set of the Pulse Holiday Detector NOVOTEST SPARK-1

1. High-voltage transformer
2. Electronic unit
3. Ground wire with crocodile clip
4. Pin for grounding
5. Magnet
6. Set of electrodes
7. Charger
8. Extension tube for the high-voltage electrode
9. Operation manual
10. Package