



**NOVOTEST**

## **Magnetic Flaw Detector NOVOTEST MPD-DC**



Magnetic Flaw Detector NOVOTEST MPD-DC applies in circumstances where the power control equipment can't be used or prohibited by the rules.

For magnetic particle inspection applications (where applicable) per specifications ASTM E 709, ASTM E 1444, ASME Section V Article 7 and MIL-STD-1949. Order a Permanent Magnetic Yoke Set separately or with a complete kit.

Magnetic Flaw Detector NOVOTEST MPD-DC is intended to detect surface and subsurface cracks of all kinds, then, the poor penetration in structures made of ferromagnetic materials.

The device is designed as a two permanent magnets placed in a cylindrical shell, connected by a flexible magnetic core and is designed to monitor remote locations and corner welds.

Flaw detection for high surface and subsurface discontinuities, fractures of all types, check crack, incomplete penetration.

The flaw detector is designed to monitor parts and products of various shapes and sizes of magnetic particle method allows to detect surface and subsurface discontinuity: cracks of different origins, check crack, flake, lack of fusion welded joints, tears etc.

### **Advantages of the Magnetic Flaw Detector NOVOTEST MPD-DC**

Magnetic Flaw Detector NOVOTEST MPD-DC may apply if you can't use electromagnets, when supply of electricity is difficult or restricted by the rules of safety (during work at height, working in the field, quality control of internal surface of tanks, boilers) at ambient temperature from 30 C ° below zero to 50 C ° above zero and relative humidity up to 95% at 35 C °.



## Specifications of the Magnetic Flaw Detector NOVOTEST MPD-DC

Magnetic field strength at the center of the air gap between the poles	200 kA / m
Magnetic field strength in the air in the middle region between the working ends of the magnet, not less	65 kA / m
Interpolar distance	80 mm
Weight of the device, not more	1 kg
Dimensions - cylindrical - flexible magnetic core	40x120x360 mm

## Available options of the Magnetic Flaw Detector NOVOTEST MPD-DC

- 1) Magnetic flaw detector separately.
- 2) Magnetic flaw detector, set of materials for magnetic particle inspection, magnifying glass, flashlight.
- 3) Magnetic flaw detector, set of materials for magnetic particle inspection, magnifying glass, flashlight and control sample for the MPD.

## Standard set of the Magnetic Flaw Detector NOVOTEST MPD-DC

- Magnetic Flaw Detector
- Manual
- Case