

## Magnetic Particle Detector, Portable Flaw Detector, Flow Testing Equipment CDX-V



### Product Details:

<b>Place of Origin:</b>	HONG KONG
<b>Brand Name:</b>	MITECH
<b>Model Number:</b>	CDX-V

### Payment & Shipping Terms:

<b>Minimum Order Quantity:</b>	1 set
<b>Packaging Details:</b>	Standard export carton box
<b>Delivery Time:</b>	Goods in stock, could send out within three days
<b>Payment Terms:</b>	100% T/T, Paypal or Wester Union
<b>Supply Ability:</b>	500 sets/month

### Detailed Product Description

#### Magnetic Particle Detector, Portable Flaw Detector, Flow Testing Equipment CDX-V

#### Magnetic Particle Detector CDX-V

#### Description:

The company absorbs the advantages of magnetic particle inspection machine at home and abroad, the use of new materials, new technology; the manufacturing improved electronic control a new type of magnetic particle detector, has a full-featured, fast testing, high sensitivity, easy to operate, low failure rate, easy maintenance, etc.; instrument uses an external magnetic field magnetization, small size, light weight, easy to carry; highly integrated circuit equipment in both the original full

functionality of several devices; with ADEO four probe the instrument output currentThe size is adjustable, can be adapted to the requirements of different sensitivity, AC the magnetization power failure phase control, overload protection, and a demagnetization function.

### **Applications:**

A-type probe: also known as Horseshoe yoke probe or fillet weld probe, active joint bevel heads, with working lights; contoured surface, the complex shape of the workpiece testing is particularly suitable. Polar distance :20-160 mm; lifting force: AC  $\geq 5$ kg, DC  $\geq 18$  kg; weight: 1 kg. Using this probe is made of a piece of equipment called a horseshoe-shaped yoke flaw detector or fillet weld flaw detector probe using a wide range of live joint.

D-type probe: also known as the the electromagnetic yoke probe, a variety of joint activities, and magnetization. Polar distance :60-220 mm, lifting force: AC  $\geq 6$  kg DC  $\geq 18$  kg; Weight: 1.6 kg independent device called electromagnetic yoke flaw detector made by this probe, the probe has a permeability and high magnetization and so on.

E-type probe: also known as the cross yoke probe or the rotating magnetic field probe, can be a full range of composite magnetic flaw detection, improve testing speed running roller and work lights. Polar distance: 110 mm, lifting force: AC  $\geq 9$  kg weight: 2 kg independently by using this probe made of a piece of equipment called the rotating magnetic field flaw detector, which uses two intersecting the yoke using AC phase shifting technology, thus producing the synthetic rotating magnetic field changes with time, the workpiece is a full range of composite magnetization . Testing speed, high quality detection.

O-type probe: also known as the ring probe, inner diameter: 150 mm, the central magnetic field  $\geq 180$ Oe Weight: 3 kg. Using this probe independently made a device called a ring flaw detector, it is the principle of a strong magnetic field generated using the coil is energized the segmented design applied to the shaft rod class, pipeline, leaves complex workpiece flaw or demagnetization.

### **Specifications:**

1. Power supply: AC 220  $\pm 10\%$  50HZ 5A
2. Output: AC 38V 6A A, D, O-shaped detecting heads are applicable
3. Testing speed:  $\geq 6$ m/min
4. Detecting head temperature rise:  $\leq 60^\circ\text{C}$
5. Working intervals: In the case of continuous operation for a long time, it is recommended:  
Magnetization time:  $\leq 3$  sec; interim:  $\geq 5$
6. Instrument weight: about 5.5kg

### **Competitive Advantage:**

- Mainly used in surface and near-surface flaw detection of ferromagnetic material, AC Electromagnetic manner, the injury is able to detect less than 2mm.
- a single device can be compatible with the A, D, E, O, four kinds of probe, to meet the needs of the many types of workpieces.
- adjustable output current size, and can be adapted to the requirements of different sensitivity, AC the magnetization with power phase control, and overload protection.
- magnetization method applied magnetic field, small size, light weight, easy to carry.
- the use of new materials, new processes, testing speed is fast, high sensitivity, low failure rate, and has automatic attenuation demagnetization.
- widely used in the testing of the various types of boilers, pressure vessels, petrochemical, metallurgy, shipbuilding, electric power, railways, bridges, and other industry structural parts, welding parts, forgings, heat treatment. Particularly suitable for field and flow testing inspection.