



AJE-220AC/DC Magnetic Yoke Flaw Detector

I. Introduction

AJE-220AC/DC Magnetic Yoke Flaw Detector is portable type magnetic flaw detection equipment. AJE-220AC/DC use Yoke to magnetize Ferromagnetic material work piece. This model can magnetize every parts. It can be used in many industry like oil field, ship building, combustion motor parts, coal mine, machinery, standard parts, oil pump, aerospace parts, car parts, bridge building, chemical industry, pressure container and rail industry and so on. This model can measure the surface flaw and welding joint on irregular shape parts like chain bar, crank shaft, bearings, bolt, spring, forging piece, valve.

AJE-220 series include AC and AC/DC two types. DC type is a rechargeable battery. This type is suitable for the no power supply project site. This battery can be used for more than 6 hours once recharged. AC type use 220V power directly. The operation is easy and the machine is portable. Then it is widely used.

II. Specification

| | | |
|----------------------|-------------|-------------------------------|
| Model Type | | AJE-220 |
| | | AC/DC |
| Power | | ~220V50Hz -12V |
| Recharging Power | | 220V 50Hz |
| Battery | | MF12—7.2AH |
| Working Current | | AC1.4A DC1.7A |
| Recharging Time | | 8~15h |
| Battery Working Time | | More than 6h |
| Working Interval | | 60 seconds ON, 60 seconds OFF |
| Polar Distance | | 50~200mm |
| Lifting | A C | >5.5kg |
| | D C | >22kg |
| Weight | Probe | 3.1kg |
| | Battery Bag | 2.9kg |
| Dimension(mm) | Probe | 208x52x146 |
| | Battery | 160x70x100 |
| | Charger | 75x50x40 |

III. Standard accessories

| | | |
|---------------|--|---------|
| Model Type | | AJE-220 |
| | | AC/DC |
| Probe | | 1 Piece |

| | |
|---------------------|--------------|
| Battery Bag | 1 Piece |
| Battery | 1 Piece |
| AC Power Cable | 1 Piece |
| DC Power Cable | 1 Piece |
| Fuse | 2 Piece (5A) |
| Manual | 1 Piece |
| Product Certificate | 1 Piece |
| Carrying Case | 1 piece |

IV. Operation and Cautions

1. Put into some Lube oil on live joint of probe before operation.
2. Make sure the Yoke probe touch the work piece tightly before press switch key. And loosen the switch key before the probe leave work piece. This can avoid damaging equipment because of the over heat.

V. Battery Recharging and Battery Deficiency Judgment

1. Connecting charger with Battery→Insert charger plug into 220V power socket.The charger will show red color indicator. After the red light indicator change to Green color. The charging is finished. It may need about 12 hours to finish recharging.
2. When using battery to supply this machine, if the lifting force reduced obviously of the testing result is not very well. The battery need recharging 12 hours again.
3. 1/0 switch function: 0 grade means 220V power usage. 1 Grade means 12V DC power usage.

VI. Warranty

This machine have 1 year guarantee for customer.