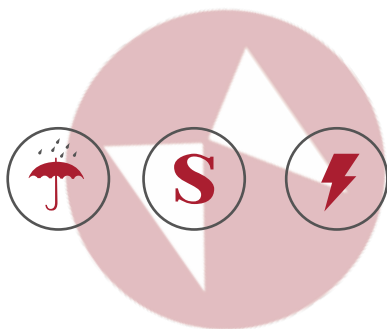


MT-1A

- Professional manufacturer, best quality with competitive price ●
- Recommended by the world UT NDT inspection association for training and examination ●
- Core technology with independent intellectual property rights, certificate of CE, GOST and etc.. ●

Portable Digital Magnetic Particle Flaw Detector



Product Overview

MITECH MT-1A digital portable magnetic flaw detector, adopts large capacity lithium battery power supply, DC is exchanged into AC by the inverter and the phase shifted signal processor to provide power for the detector, it solves the shortcomings of traditional magnetic particle detector relying on the 220V power supply. It has low power consumption and can continuous work for more than 4 hours. The battery can be charged while working or off. It can real-time monitoring, process image, save data, print the test report, track inspection results, meet the requirements of standard operation and management. Especially suitable for the field without power supply field testing and high-altitude operations, it realizes the innovation of magnetic powder digital inspection.

Technical Specifications

Main unit parameters

- Operating voltage: DC 15V-21V
- Output waveform: AC
- Output voltage: 36V
- Main unit size: 100mm×204mm×36mm
- Main unit weight: 0.75kg (counted battery pack)
- Screen size: 3.5 inch

Magnetic yoke parameters

- Electromagnetism yoke size: 174mm×162mm×38mm
- Electromagnetism yoke weight: 1.5kg(include cable line)
- Electromagnetism yoke range: 75-200mm

Comprehensive performance index

- Lifting: ≥45N(No less than 5kg)
- Distance between light and workpiece: 100mm
- Continuous working hours: >4h
- Illumination > 1000lx
- Complex sensitivity: clearly show the artificial notch of type A 15/100 standard specimen.

Battery pack parameters

- Lithium battery pack voltage: 18V
- Lithium battery pack rated capacity: 8400mAh
- Lithium battery pack limited charge voltage: 21V
- Charging power supply: 220V 50HZ
- Charging time: 3-4h

Light source parameters

- Light mode: white and fluorescence
- White light illumination: > 1000lx
- Fluorescence central wavelength: 365nm
- Fluorescence brightness:>1000μw/cm²

Features

- Smart 3.5 inch color LCD , can directly display the position, shape, size of the flaws. Connect with PC can identify image, save data, analyze the flaws, monitor the detection, track inspection results, meet the requirements of standard operation and management.
- The built-in HD Mini industrial camera can real-time record camera detection results, effectively monitor the small defects, output the report of flaws and pictures in Excel format.
- The large capacity lithium battery makes it portable, solves the drawbacks of traditional, magnetic particle detector relying on the 220V power supply, with low power consumption, small size, battery can be charged when the detector is on and off. It is especially suitable for testing in field or high altitude;
- New power mode improves the sensitivity and accuracy of surface and depth detection.
- Electromagnetic yoke adopts pulse power supply technology can continuous work without rest.
- Placement and portable models, dry, wet detection are applicable, the electromagnetic yoke using a sealed technology to ensure that the wet test does not leak liquid and ensure the safety of users.
- The electromagnetic yoke can be choose according to different requirement, the system adds functions of self-check and detector indicator test.
- The product is light and portable, greatly reduce the labor intensity, improve work efficiency.

Configurations

	No.	Item	Quantity	Remarks
Standard Configuration	1	Main unit	1	MT-1A
	2	Electromagnetic yoke	1	MT-1A
	3	Electromagnetic yoke line	1	
	4	Charger	1	
	5	Detection management system CD	1	
	6	USB cable line	1	
	7	Waist pack		
	8	Attached files		