

MT-1C

- 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-1C magnetic particle flaw detector adopts high-capacity lithium battery pack, can convert DC to AC through variable-frequency, provide magnetic powder flaw detector with magnetic power supply. With low power consumption, it can continuous work for more than four hours after charging. It is especially proper for working in the wild and aerial area.

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 (include battery pack).
- Screen size: 3.2 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).
- Complex sensitivity: clearly show the artificial notch of type A 15/100 standard specimen.
- Continuous working hours: >4h.

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

- Lighting device: fluorescence & white light.
- Fluorescence center wavelength: 365nm.
- White light illumination: > 1000lx.
- Fluorescence illuminance: > 1000 μ w/cm².
- Distance between light source and work piece: 100mm.

Features

- Smart LCD screens shows battery level, lighting method, illuminating brightness and output power.
- Portable high-capacity lithium battery pack without limitation of 220V power supply. With low power consumption and small volume, charging either online or offline. It is especially proper for working in the wild and aerial area.
- Adjustable illumination brightness, working power and testing range can meet different testing demand and save the setting.
- New power supply can enhance the testing depth and sensitivity.
- Pulse power supply can continuous work without chill time.
- Combine all traditional advantages in one unit can detect surface flaws fast, clearly and accurately.
- Small size with equipped bag can improve working efficiency.

Configurations

	No.	Item	Quantity	Remarks
Standard Configuration	1	Main unit	1	MT-1C
	2	Magnetic yoke	1	MT-1C
	3	Cable line	1	
	4	Charger	1	
	5	Waist pack	1	
	6	Attached files	1	