

AC Hand Yoke Magnetic Particle Equipment

Gammatec's AC Hand Yoke Magnetic Particle instrument is a low-cost portable, one-operator Non-Destructive Testing(NDT) package which provides accurate and fast defect location in ferrous metals.

The instrument features AC operation or DC operation using a converter. AC operation can detect surface breaking defects such as linear cracks, stress corrosion, porosity, laminations and cold laps. DC operation accurately detects sub-surface flaws such as porosity, internal forging bursts, stringers and hot tears.

The unit is ideal for a variety of NDT applications such as detecting weld defects, inspecting turbine blades on aircraft, detecting bolt shear, inspecting castings for micro-shrinkage, detecting cold laps and forging bursts in axles and forging, inspecting hoist wheels in the mining industry etc.

The yokes feature a dual coil which provides maximum lifting power without uncomfortable heating. The acid-proof, impact-resistant body ensures ruggedness and has been designed with operator comfort in mind, making it both easy to hold and operate.

The instrument is manufactured in South Africa by Gammatec and complies with ASME 5 Article 25 SE 709.





Technical Data

MK I

Weight	3.7kg
Power supply	110V/220V AC 50Hz
Distance between poles	170mm (Fixed)
Pole cross section	27mm x 29mm
Lifting power	4.5kg (AC)
Current in air	7 Amps

MK II

Weight	3.9kg
Power supply	110V/220V AC 50Hz
Distance between poles	0mm - 300mm (Adjustable)
Pole cross section	27mm x 30mm
Lifting power	4.5kg (AC)
Current in air	3 Amps
Standard with adjustable legs	

Optional Accessories

- AC/DC Converter
- Adjustable legs (Mk II only)
- Robust carrying case
- Porta Pack (DC)
- Gammatec UV light
- M.P.I. consumables



GAMMATEC NDT SUPPLIES

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