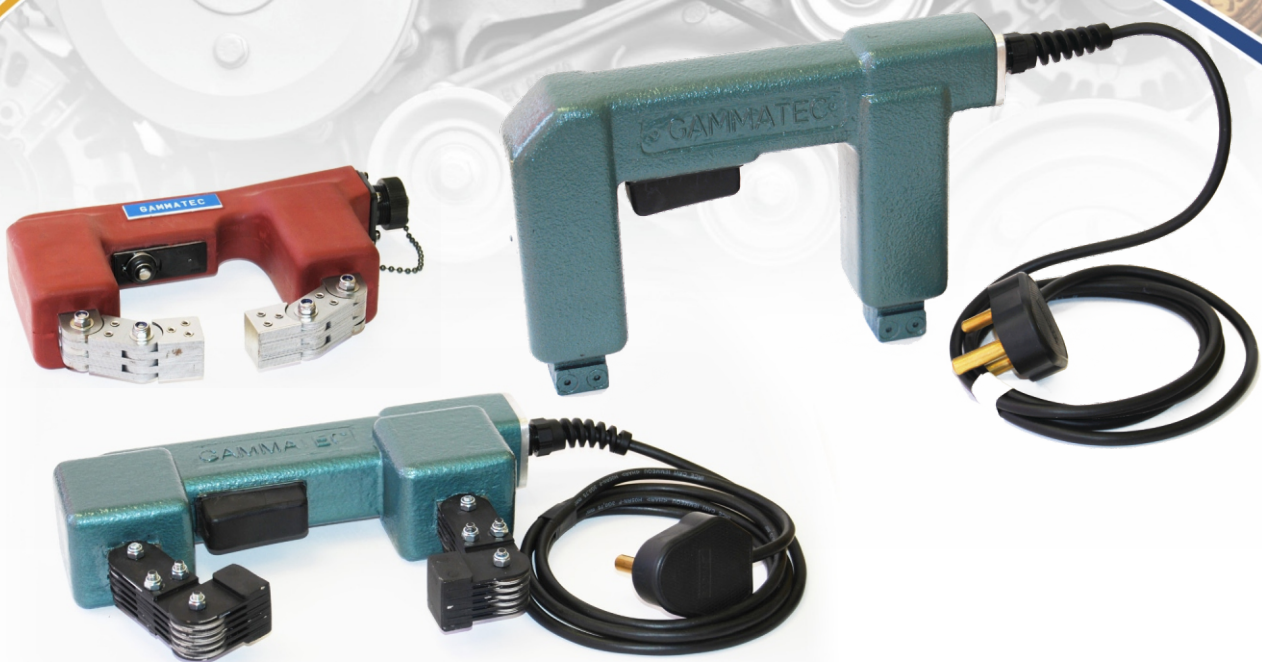


# Electromagnetic Yokes



GammaTec's electromagnetic AC yokes are low cost, portable instruments which provide fast and accurate defect and crack detection in ferrous metals. The electromagnetic yokes are rugged and induce a powerful AC magnetic field. The adjustable poles and single handed operation makes our yokes ideal for inspecting components of different geometry – welds, castings and onsite inspection / repairs, especially where there is limited access.

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

performance MY-II yoke is one of the smallest, lightest and most durable hand-held yokes on the market.

The instrument features AC operation or DC operation when used in conjunction with an AC/DC converter. AC operation is sensitive for the detection of 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 instruments comply with all relevant international standards.

## Technical Specifications

|                        | MK I                 | MK II                           | MY II                           |
|------------------------|----------------------|---------------------------------|---------------------------------|
| Weight                 | 3.7kg                | 3.9kg                           | 2.4 kg                          |
| Power supply           | 110V/220V AC 60/50Hz | 110V/220V AC 60/50Hz            | 110V/220V AC 60/50Hz            |
| Distance between poles | 170mm (Fixed)        | 0mm - 300mm (adjustable)        | 25mm - 185mm (adjustable)       |
| Legs                   | Fixed                | Standard with articulating legs | Standard with articulating legs |
| Pole cross section     | 27mm x 29mm          | 27mm x 20mm                     | 27 x 29mm                       |
| Lifting power          | 4.5kg (AC)           | 4.5kg (AC)                      | 4.5kg (AC)                      |
| Current in air         | 7 Amps               | 3 Amps                          | 2.5 Amps                        |

### Features

Powerful AC magnetic field

Lightweight

Rugged & reliable

Dual length articulating legs

Ergonomic comfort-grip handle

Water-resistant and replaceable micro switch

### Optional Accessories

DC/AC inverter

AC/DC converter

Robust carrying case

Porta Pack (DC supply)

Test weights (4.5kg & 18kg)

UV lights & torches

M.P.I. consumables

Burmah castrol strips and other field indicators

Centrifuge tube and stand

Gauss meters



GammaTec NDT Supplies SOC Ltd

Head Office Building, Vision 21 Industrial Park, Steel Road, Peacehaven, Vereeniging. PO Box 264786 Three Rivers 1935, South Africa.  
tel: +27 16 423 7731, fax: +27 16 423 1743, email: gammatec@mweb.co.za, web: www.gammatecsa.com

Disclaimer: Errors and Omissions Excepted (E & OE)