

Chain Inspection System

Mobile Crack Detection Unit

The total loading capacity of a chain is the result of the resistance power of each particular link. Therefore, to ensure safe usage and avoid accidents, it is important to periodically check the chain links for surface cracks using magnetic particle inspection. The compact design of our mobile chain inspection system is ideal for use on-site.



FEATURES

- High-current cables
- Foot switch to control the inspection current
- Fixed on a moveable trolley
- Two lockable guide sand two fixed rollers
- Closed magnetising coil Ø 350 mm (working height of the coil approx. 840 mm)
- Test liquid drip tray with test liquid pump (contents approx. 5 l)
- Very quiet and durable ink pump
- Spraying device including valve for regulation
- For use with water-based inks only
- Multiple socket (switchable) for UV light and pump (connecting cable 1.5 m, mains supply 230 V/50 Hz)
- Drip tray with coil - easy to disassemble and usable as a stationary system

PART NUMBERS

| | |
|------------------|--------|
| Ferrotest 10 | 094105 |
| Ferrotest GWH 15 | 094106 |

PRODUCT PROPERTIES

| Ferrotest model | 10 | GWH 15 |
|----------------------------------|--------------------|--------------------|
| Effective AC* | 1000 A | 1050 A |
| Peak AC* | 1400 A | 1500 A |
| Relative duty cycle | 3.2 V | 4.5 V |
| Effective half-wave DC* | - | 950 A |
| Peak half-wave DC* | - | 1900 A |
| Mains connection | 230 V | 400 V |
| Frequency | 50 Hz | 50 Hz |
| Power consumption | 3 kVA | 8.8 kVA |
| Control voltage | 12 V | 12 V |
| Relative duty cycle | 30% | 30% |
| High current cable cross section | 70 mm ² | 95 mm ² |
| Test current adjustment | infinite | infinite |
| Constant current control | yes | yes |
| Current indication | digital | digital |
| Width | 850 mm | 850 mm |
| Height with handle | 900 mm | 900 mm |
| Depth | 510 mm | 510 mm |
| Weight | 60 kg | 76 kg |

* maximum test current, measured with high current cables, external circuit 5 m