

MVP-2M

Multifunction eddy-current instrument



New eddy-current instrument is a fast and accurate hand-held solution for measuring ferrite content in austenitic and pearlitic steel, for conductivity and coating thickness measurement, for eddy-current flaw detection.

- Automatic measurement acceptance at probe contact
- Simple measurement, even for complex specimen geometry
- Non-destructive measurement of the ferrite content in a range of 0.1 to 25% Fe
- Conductivity measurement in the range of 0.5 to 60 Ms/m.
- Coating thickness measurement of non-conducting coatings in the range of 0 to 2 mm (0 to 0.08 inches)
- Automatic reduced power consumption function
- Automatic switching-off
- Memory capacity for 5000 measurement results
- Viewing results on display or data transfer to PC by RS 232 interface
- "On-fly" averaging for 60 sec.
- Up to 10 additional scales programmable by PC or direct from keypad
- Powered by 220V plug-in power supply or 3 AA-sized batteries
- Operating time up to 50 hours
- Weight: 0.4kg with batteries

Available Accessories:

- Plug-in power supply unit 220V
- Batteries and Battery Charger
- PC cables and Software
- Transducers
- Soft Carry case
- Transport case

Specifications:

Ferrite content measurement range

0.1% - 25%

Coating thickness measurement range

0 - 2 mm

Gain coefficient variation

20 - 200

Conductivity measurement range

0.5 to 60 Ms/m

Thickness of test object

not less than 2 mm

Scales

10 programmable direct from keypad or by PC scales, up to 10 points for linear approximation

Indication accuracy

1, 0.1, 0.01 or 0.001 is set at programming

Memory

Storage of 5000 test results with ability their transfer to PC

Batteries

3 AA cells

Mains power

via external plug-in power unit (220V AC)

Operating voltage

5 V DC

Operating Time

not less than 50 hours

Operating temperature

+5 °C to +50 °C

Dialog languages

Russian or English (in order)

Base Unit Dimensions (H x W x D):

170 mm x 85 mm x 30 mm
(6.7 inch x 3.3 inch x 1.2 inch)

Transducer (Diameter x Height):

14 mmx75mm
(0.6 inch x 3 inch)

Weight

0.4 kg; with batteries