



R&J Measurement
The Producer of High Quality Measuring
Instruments

MP-100

**MICROPROCESSORIZED INSTRUMENT FOR DETERMINATION OF THE RELATIVE
MAGNETIC PERMEABILITY OF NON-MAGNETIC MATERIALS BY NON-
DESTRUCTIVE METHOD**



Mobile meter designed to measuring the magnetic permeability lower as 3 and allows to control the elements with small overall dimensions and the elements with complex shapes as well as it allows the evaluations of heterogeneity of the elements with big overall dimensions. The meter is internal battery-powered what allows about 12h continuous work.

The device is fully automated and it does not require any regulations, including charging a battery. The meter contain the measurements memory and all obtained date could be display on LCD.

On request the instrument enables the evaluation of welds of non-magnetic steel in an aspect of magnetic.

The MP-100 meter provides the opportunity of a binary and graphic presentation of the obtained data, which can be presented by:

➤ LCD display,

1. EQUIPMENT

The MP-100 meter contains:

- Sensor,
- Reference standard of material,
- Certificate of reference standard of material,
- RS Cable,
- Cover,
- Supply unit,
- DTR – 2 pieces.

"R&J Measurement" Electronic Instruments and Computerized Systems

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www.rjmeasurement.com.pl

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2. TECHNICAL DATA

Measurement range	1 ÷ 2.99
Resolution	0.01
Digital read-out	alphanumeric display LCD
Measurement accuracy (measurement on the standard sample)	± 5 %
Signalling of range exceeding	graphic and acoustic
Number of saved measurement results	ca. 1200 results for 30 objects
Determination and presentation measured values of permeability for each object as:	minimum, maximum, average
Auto-calibration of the device	Yes
Bar-graph mode	Yes
Data transmission to the computer	series interface
The remembered results presentation:	LCD display or PC monitor (after meter connection with PC)
The printing of measurements report by:	serial printer directly from MP-100 meter or PC printer (after meter connection with PC)
Deleting unnecessary results	
Choosing of language version:	polish/english
Control	Keyboard
Supply	Accumulator
Signalling of necessity of charging a battery	acoustic and graphic
Operating conditions:	
▪ ambient temperature	0°C ÷ + 50°C
▪ air relative humidity	20 % ÷ 80 %

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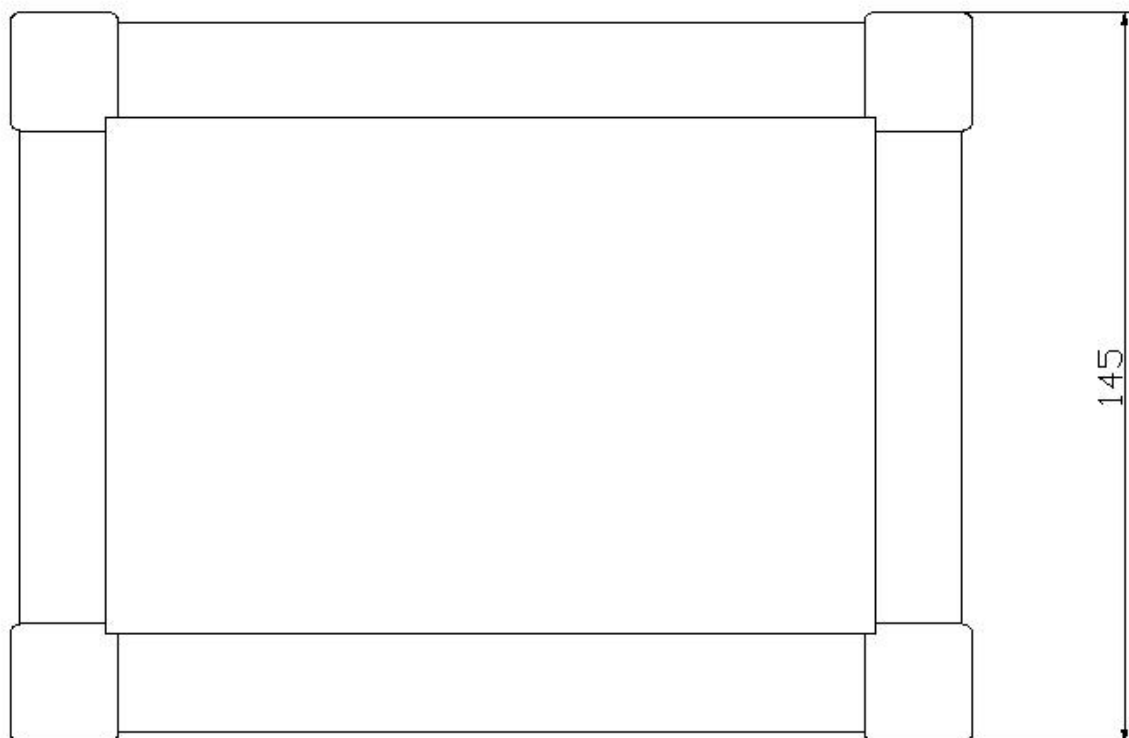
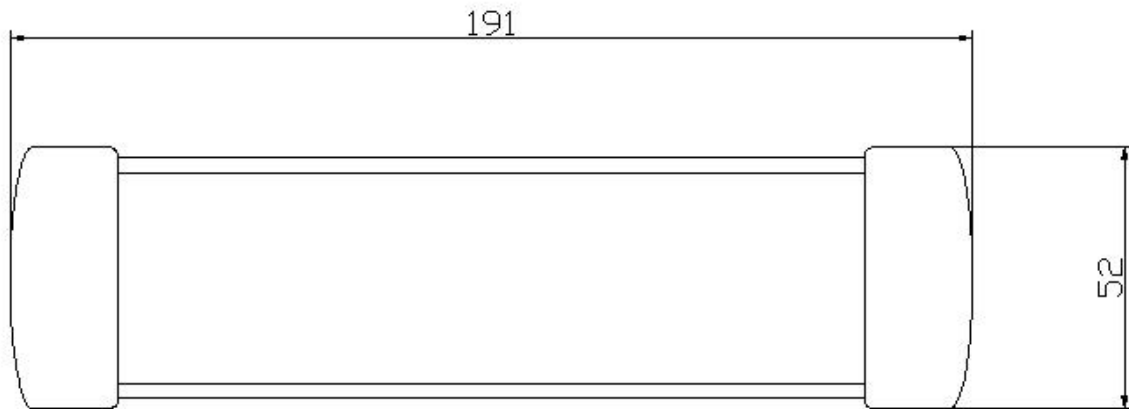
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3. DIMENSION



all dimensions in mm