



Operation Manual
TesMx 200
Gauss Meter

General Information:

TesMx 200 is designed to detect residual magnetic fields present in the metallic part surfaces. These are low intensity static fields remaining in the part after the application of a strong magnetic force on that part. It is very important to inspect these residual fields remaining in metal parts to maintain quality and safety standards.

Safety Instruction:

- This instrument should not be used for testing current conducting parts and live metal surfaces.
- If testing with electromagnets and coils, make sure they are switched OFF or else there is a severe chance of getting shocked.
- Use gloves for testing electrically charged metal surfaces.
- Do not abuse the Instrument and its accessories.
- Never use this equipment in any manner that not specified in these instructions because the protection provided by the equipment may be impaired.

Salient Feature:

- Big & Colorful LCD Screen Display
- Compact & Handheld
- Rechargeable Li-ion Battery
- Continues 8 hours of battery back up in single charge
- Detachable Probe
- Can operate with both Axial & Transverse Probe

Technical Specifications:

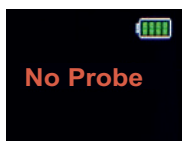
Model Name	TesMx 200
Measuring Range	-200 Gauss to +200 Gauss -20 millitesla to +20 millitesla
Accuracy	± 6%
Repeatability	± 0.2 Gauss
Display	160 x 128 dot pixel TFT Display
Power Requirements	3.7V, 1000 mAh Li-ion rechargeable Battery
Dimensions	(LxWxH) 146 mm x 85 mm x 25 mm
Operating Temperature	10°C to 50°C
Battery Charging Time	3.5 Hrs.
Weight	310 gm. (0.683 lbs.)

Operating Instructions:

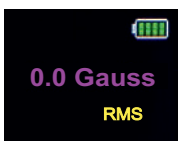
- Charge the Unit completely before using it for the first time.
- Press the ON/OFF button to switch on the device.
- When you ON the device without connecting the probe or when you detach the probe in ON condition then No Probe message shows.

Note: For measurement purposes, it's advisable to connect the probe before switching on the equipment.

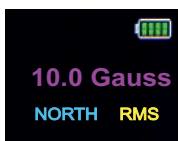
- After starting the device, numerical digits or No Probe (according to Probe connected or not connected) will appear on the screen, which means the device is ready for the next step.



No Probe Condition

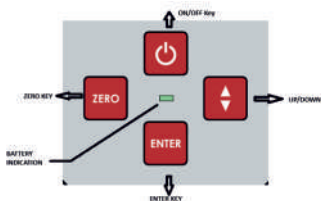


Probe Connected



Probe Connected
Placed On Magnet

Keypad Picture:



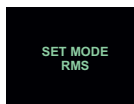
- For Customize setting, press the ENTER key, on release of ENTER key you will come to MENU screen as shown in the below image.



- To change the mode of measurements, press the UP/DOWN key & ZERO key to scroll. Press the ENTER key to select Mode.
- The example below shows the available Measure Modes



- After the Mode selection, a message will display as shown below. & similar messages shows according to other modes
- To come BACK from the current menu long press, ENTER Key.



- The Gauss meter shows DEVICE INFO by long pressing the ENTER key, which shows basic information of unit that is Cal Date, Due Date, SR Num, SOFT VER. as shown in below image.

- There is a 10sec time out given to display intensity reading screen.

Zeroing Procedure:

- After starting up with Probe, the Gaussmeter should be done zero, prior to taking measurements.
- After connecting the sensor probe to the instrument, grab the probe body and lift the probe tip in the air where there are no magnetic fields nearby up to 1 meter to the sensor tips.
- Now long press the Zero key on the instrument keypad, it will show Gauss 0.00 value.
- The above process is common for both Axial as well as Transverse Probe.
- While zeroing keep the Probe steady and stable.

Measurements:

- Once zeroing is done and 0.00 is stable on the display, the operator can start taking readings.

- The instrument should be operated in the following manner for

Axial Probe:

- Place the probe tip perpendicular to the surface being tested.
- The tip surface should be kept on the surface in such a manner that most of the tip area is touching the surface to be tested.
- Now without moving the probe note the values been shown on the display.

Transverse Probe:

- Place the flat probe tip horizontally on the surface being tested.
- The flat end of tip surface should be kept on the measuring surface in such a manner that most of the tip area is touching the surface to be tested.
- Now without moving the probe note the values been shown on the display.
- All the above test and measurements should not be done in the vicinity of any operating AC or DC magnetic field.
- Make sure the metal part under test should not be energized or should not carry any current.
- The instrument can be tested again and again once zeroing is done till the Probe is not changed, once the probe changed even if it is showing 0.00 value on gauss meter, it is recommended that do the zeroing procedure again for proper results.
- The instrument can be tested with Reference magnet before operation to verify that its calibration is maintained.



Battery Charging Instructions:

- The instrument comprises a Li-Ion battery, which can be charged by a given AC-to-DC adapter.
- The input of these adapters is universal, i.e., INPUT: 100-240VAC / 50-60Hz & OUTPUT: 5VDC, 2.4A.
- The operator can check the battery status from the charging symbol which is displayed on the screen.
- The instrument must be immediately charged once the low battery indication is displayed.
- The batteries take approximately 3.5 hours to fully charge.
- A fully charged battery pack unit can work for approximately 8 hours to continue.
- Charging Indicator (Green LED)

ON- Battery is Charging

Off- No adapter connect, charging complete or charging disabled

- Battery indication colors
- <25% : Red color
 - 25%-50% : orange color
 - 51%-75% : White color
 - >75% : Green color

Caution:

- Liquids and caustics substances can damage the unit.
- Do not spray on the instrument and never immerse any part of the unit in liquid.
- Do not use abrasives , solvents or lubricants to clean the unit.

Cleaning and Storage:

- Periodically wipe the case and the unit with a damp cloth.
- Store the unit in the carrying case properly and in a dry room which is free from dust and humidity.

Product Warranty:

- The TesMx 200 is warranted for a period of 12 months whereas the battery & its charger are warranted for a period of 6 months from the date of purchase.
- The warranty is void if the equipment is used in a non-professional manner, resulting in damage or if repairs are carried out other than authorized service center & warranty seal is broken.

Kit Contains:

- TesMx 200 Gaussmeter
- Hall Effect Sensor probe (Axial or Transverse)
- Charging adaptor & USB A to USB C cable
- Reference magnets (optional)
- Certificate of Conformance
- Operating Manual



Thank you for your business!

WE trust, we have catered as per your expectations...

TesNx 200 Gauss Meter OM 2026/01
Specifications subject to change without notice.



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