

Sonel MIC-5050

Sonel MIC-5050 5kV Insulation Tester User Manual

Model: MIC-5050

1. INTRODUCTION

The Sonel MIC-5050 is a professional-grade 5kV insulation resistance tester designed for comprehensive electrical insulation diagnostics. This device is capable of measuring insulation resistance up to 20 TΩ, offering a wide range of test voltages from 50V to 5000V. It is engineered for precision and reliability in various industrial and scientific applications, including testing cables, transformers, and electric machines. This manual provides essential information for the safe and effective operation of your MIC-5050.



Figure 1: Front view of the Sonel MIC-5050 Insulation Tester, showing the display, control panel, and connection ports.

2. SAFETY INFORMATION

WARNING: High voltage equipment. Improper use can result in serious injury or death. Always adhere to safety procedures.

- Always ensure the device is properly grounded before operation.
- Do not operate the device in wet conditions or in the presence of explosive gases or dust.

- Verify that the object under test is de-energized and isolated from the power source before connecting the tester.
- Use only the test leads and accessories supplied or approved by Sonel.
- After each measurement, allow sufficient time for the measured object's capacitance to discharge automatically.
- Never touch the test leads or the object under test during a measurement.
- Regularly inspect test leads for damage. Replace any damaged leads immediately.

3. KEY FEATURES

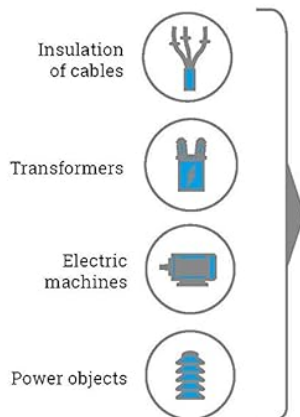
The Sonel MIC-5050 offers a comprehensive set of features for advanced insulation testing:

- **Insulation Resistance Measurement:** Up to 20 TΩ.
- **Adjustable Test Voltage:** 50V to 5000V (50-1000V in 10V steps, 1-5kV in 25V steps).
- **Continuous Indication:** Real-time display of measured insulation resistance or leakage current.
- **Automatic Discharge:** Safely discharges object capacitance after measurement.
- **Timed Measurements:** Adjustable measuring time up to 99 minutes, 59 seconds.
- **Absorption Coefficients:** Measures Polarization Index (PI), Ab1, Ab2, and Dielectric Absorption Ratio (DAR) with metered T1, T2, T3 test times (1-600s).
- **Test Current:** Selectable 1.2 mA, 3 mA, and 6 mA (±15%).
- **Measurement Methods:** Supports two- or three-wire insulation resistance measurement.
- **Live Object Protection:** Built-in protection against measuring live objects.
- **Capacitance Measurement:** Measures capacitance during RISO testing.
- **Temperature Measurement:** Compatible with an additional WASONT1 probe.
- **Advanced Diagnostic Functions:** Step Voltage (SV) insulation resistance measurement, Dielectric Discharge (DD) calculation, and damage location (burnout).
- **Digital Filters:** Improves measurement accuracy in high noise environments.
- **Leakage Current:** Measurement during insulation resistance testing.
- **Voltage Measurement:** DC and AC voltage measurement in the range of 0-750V.
- **Graphical Display:** Ability to draw graphs on the display during measurement.
- **Innovative Memory:** Stores measurement points, facilities, and customer names.



MIC-10s1 / MIC-05s1 / MIC-10k1 / 5050

index: WMGBMIC10s1 / WMGBMIC05s1 / WMGBMIC10k1 / WMGBMIC5050



CAT III
1000 V

CAT IV
600 V

IP67

BLUETOOTH

Damage location and insulation measurements

Features

- Insulation resistance measurement
 - up to **40 TΩ** (MIC-10k1, MIC-10s1)
 - up to **20 TΩ** (MIC-5050, MIC-05s1)
- Measurement voltage - any in the range of
 - MIC-10k1, MIC-10s1: **50...10000 V**, 50...1000 V with steps of 10 V, 1...10 kV with steps of 25 V
 - MIC-5050, MIC-05s1: **50...5000 V**, 50...1000 V with steps of 10 V, 1...5 kV with steps of 25 V
- Continuous indication of measured insulation resistance or leakage current
- Automatic discharge of measured object capacitance voltage after the end of insulation resistance measurement
- Acoustic signalling of 5-second intervals to facilitate capturing time characteristics
- Adjustable measuring time - up to **99'59"**
- T_1 , T_2 and T_3 test times for measuring one or two absorption coefficients from the range of 1...600 s
- Polarization index (PI), absorption coefficients Ab1, Ab2 and dielectric absorption ratio (DAR) measurement
- Indication of actual test voltage during measurement
- **1.2 mA, 3 mA or 6 mA** test current
- Insulation resistance measurement using two- or three-wire method
- Measurements with test leads up to 20 m
- Protection against measuring live objects
- Automatic measurement of multiple core cables with the optional **AutoISO-5000 adapter** (for MIC-10k1 and MIC-10s1 max. measuring voltage 5 kV)
- Measurement of capacitance during the measurement of R_{iso}
- Measurement of temperature (with optional probe ST-1)
- Step voltage insulation resistance measurement (SV)
- Dielectric Discharge calculation (DD)
- Damage location (burnout)
- Digital filters for measurements with strong interferences
- It can work in an environment where electromagnetic interferences of 400 kV occur
- Measurement of DC and AC voltages within the range of 0...750 V

Figure 2: Overview of Sonel MIC-5050 features and typical application areas such as cables, transformers, and electric machines.

4. PACKAGE CONTENTS

Upon unpacking, verify that all items listed below are present:

- Sonel MIC-5050 Insulation Tester Unit
- USB Cable
- L4 Carrying Case
- Sonel Reader Software
- 3M 10kV Red Test Lead
- 3M 11kV Black Test Lead
- 3M 11kV Blue Test Lead
- Crocodile Clip Black 11 kV 32A
- Crocodile Clip Red 11 kV 32A
- Crocodile Clip Blue 11 kV 32A

Standard accessories



Test lead 3 m
blue 11 kV
(banana plugs)
WAPRZ003BUBB10K



Test lead 3 m
black 11 kV
(banana plugs,
shielded)
WAPRZ003BLBBE10K



Test lead 3 m
red 11 kV
(banana plugs)
WAPRZ003REBB10K



Crocodile clip
blue 11 kV 32 A
WAKROBU32K09



Crocodile clip
black 11 kV 32 A
WAKROBL32K09



Crocodile clip
red 11 kV 32 A
WAKRORE32K09



USB cable
WAPRZUSB



Mains cable with
IEC C13 plug
WAPRZ1X8BLIEC



L4 carrying case
WAFUTL4



Calibration certificate issued
by an accredited
laboratory
(MIC-10k1, MIC-10s1)



Calibration certificate
(MIC-5050, MIC-05s1)

Optional accessories



Test lead 11 kV
(banana plugs) blue
1.8 / 5 / 10 / 20 m
WAPRZ1X8BUBB10K
WAPRZ005BUBB10K
WAPRZ010BUBB10K
WAPRZ020BUBB10K



Test lead 11 kV
(banana plugs,
shielded) black
1.8 / 5 / 10 / 20 m
WAPRZ1X8BLBBE10K
WAPRZ005BLBBE10K
WAPRZ010BLBBE10K
WAPRZ020BLBBE10K



Test lead 11 kV
(banana plugs) red
1.8 / 5 / 10 / 20 m
WAPRZ1X8REBB10K
WAPRZ005REBB10K
WAPRZ010REBB10K
WAPRZ020REBB10K



AutoISO-5000
adapter
WAADAAISO50



PRS-1 resistance
test probe
WASONPRS1GB



Mini Bluetooth
keyboard
WAADAMK



CS-5kV
calibration box
WAADACS5KV



Resistance calibra-
tor SRP-10G0-10T0
WMXXSRP10G010T0



ST-1 temper-
ature probe
WASONT1



PC software:
Sonel Reader
WAPROREADER



Calibration certificate issued
by an accredited
laboratory
(MIC-5050, MIC-05s1)

Figure 3: Visual representation of standard accessories included with the MIC-5050, such as test leads, crocodile clips, USB cable, and carrying case. Optional accessories are also shown.

5. SETUP AND BASIC OPERATION

5.1 Initial Setup

1. **Unpack:** Carefully remove the MIC-5050 and all accessories from the carrying case.
2. **Power On:** Connect the device to a power source using the provided USB cable or ensure the internal battery is charged.
3. **Self-Test:** The device will perform a self-test upon power-on. Wait for it to complete.
4. **Language/Settings:** Navigate through the menu to set your preferred language and other basic settings if prompted.

5.2 Connecting Test Leads

For insulation resistance measurements, connect the test leads as follows:

- Connect the red test lead to the 'L' (Line) terminal of the tester.
- Connect the black test lead to the 'E' (Earth) terminal of the tester.
- For three-wire measurements, connect the blue test lead to the 'G' (Guard) terminal.
- Attach the crocodile clips securely to the test leads and then to the object under test, ensuring good contact.

5.3 Basic Insulation Resistance Measurement (RISO)

1. **Select Mode:** Use the rotary switch or menu to select the 'RISO' measurement mode.
2. **Set Test Voltage:** Adjust the desired test voltage (e.g., 500V, 1000V, 5000V) using the appropriate controls.
3. **Set Test Time:** If a timed measurement is required, set the duration.
4. **Initiate Measurement:** Press the 'START' button. The device will apply the test voltage and display the insulation resistance.
5. **Observe Results:** The display will show the resistance value and leakage current.
6. **Completion:** Once the measurement is complete, the device will automatically discharge the object. Wait for the voltage to drop to a safe level before disconnecting.

6. ADVANCED MEASUREMENT FUNCTIONS

6.1 Polarization Index (PI) and Dielectric Absorption Ratio (DAR)

These tests assess the quality of insulation by measuring resistance at different time intervals.

- Select PI/DAR mode.
- The device will automatically perform measurements at specified T1, T2, and T3 intervals (e.g., 30s, 60s, 10min).
- The PI (R_{10min}/R_{1min}) and DAR (R_{60s}/R_{30s}) values will be calculated and displayed.

6.2 Step Voltage (SV) Test

The SV test applies increasing voltage steps to detect insulation weaknesses that might not be apparent at a single voltage.

- Select SV test mode.
- Configure the voltage steps and duration for each step.
- The device will automatically execute the test, displaying resistance at each step.

6.3 Dielectric Discharge (DD) Test

The DD test helps identify localized defects in multi-layer insulation by measuring the discharge current after a high voltage application.

- Select DD test mode.
- The device will charge the insulation, then discharge it, measuring the residual current.
- The DD value will be calculated and displayed.

6.4 Leakage Current and Capacitance Measurement

The MIC-5050 can display leakage current during RISO tests and measure capacitance of the object under test.

- Leakage current is typically displayed alongside insulation resistance.
- Capacitance is measured automatically during RISO tests and displayed on the screen.

6.5 Digital Filters

When performing measurements in environments with high electromagnetic interference, activate the digital filter function via the menu to improve measurement stability and accuracy.

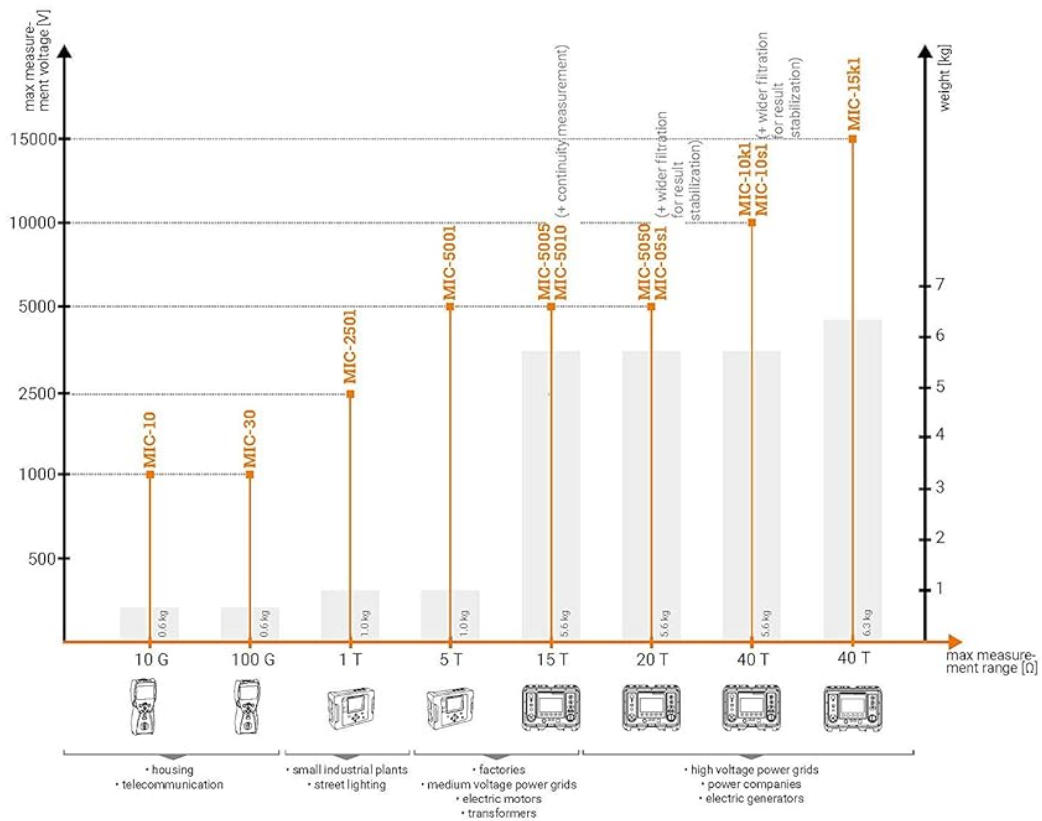


Figure 4: Graph illustrating the measurement range capabilities of various Sonel insulation testers, including the MIC-5050, alongside an image of the device in an industrial testing environment.

7. TECHNICAL SPECIFICATIONS

Below are the key technical specifications for the Sonel MIC-5050:

Parameter	Specification
Insulation Resistance Range	0 ... 20 TΩ
Measuring Voltage	50V ... 5000V (adjustable)
Test Current	1.2 mA, 3 mA, 6 mA (±15%)
Voltage Measurement (AC/DC)	0 ... 750 V
Capacitance Measurement	During RISO measurement
Operating Temperature	-20°C ... +50°C
Storage Temperature	-25°C ... +70°C
Humidity	20% ... 90%
Ingress Protection	IP67 (closed case)
Power Supply	Li-Ion 14.8V rechargeable battery, 90V-260V 50/60Hz from electric grid
Dimensions	390 x 308 x 172 mm
Weight	Approx. 5.6 kg
Data Transmission	USB and Bluetooth
Memory	990 cells (10,000 records)

Insulation resistance measurement

- Measurement range acc. to IEC 61557-2

$$R_{iso} = U_{iso} / I_{iso} = 5 \text{ M}\Omega \dots 40 \text{ T}\Omega \quad (I_{iso} = 1.2 \text{ mA}, 3 \text{ mA or } (6 \pm 15\%) \text{ mA})$$

Range	Resolution	Accuracy
0...999 kΩ	1 kΩ	±(3% m.v. + 10 digits)
1.00...9.99 MΩ	0.01 MΩ	
10.0...99.9 MΩ	0.1 MΩ	
100...999 MΩ	1 MΩ	
1.00...9.99 GΩ	0.01 GΩ	
10.0...99.9 GΩ	0.1 GΩ	±(3.5% m.v. + 10 digits)
100...999 GΩ	1 GΩ	
1.00...9.99 TΩ	0.01 TΩ	±(7.5% m.v. + 10 digits)
10.0...20.0 TΩ*	0.1 TΩ	±(12.5% m.v. + 10 digits)
10.0...40.0 TΩ**		

* - only for MIC-5050, MIC-05s1

** - only for MIC-10k1, MIC-10s1

Values of measured resistance depending on measurement voltage

U _{iso} voltage	Range	Range for AutoISO-5000
50 V	200 GΩ	20.0 GΩ
100 V	400 GΩ	40.0 GΩ
250 V	1.00 TΩ	100 GΩ
500 V	2.00 TΩ	200 GΩ
1000 V	4.00 TΩ	400 GΩ
2500 V	10.00 TΩ	400 GΩ
5000 V	20.0 TΩ	400 GΩ
10 000 V	40.0 TΩ*	-

* - only for MIC-10k1, MIC-10s1

Capacitance measurement

Range	Resolution	Accuracy
0...999 nF	1 nF	±(5% m.v. + 5 digits)
1.00...49.99 μF	0.01 μF	

- Capacitance measurement result is displayed after the R_{iso} measurement
- For measuring voltages under 100 V capacitance measurement accuracy not specified

Temperature measurement

Range	Resolution	Accuracy
-40.0...99.9°C	1°C	±(3% m.v. + 8 digits)

Technical specification

type of insulation acc. to EN 61010-1 and IEC 61557	double
measurement category acc. to EN 61010-1	IV 600 V (III 1000 V)
ingress protection acc. to EN 60529	IP67 (IP40 for open case)
power supply	Li-Ion 14.8 V rechargeable battery 90 V ÷ 260 V, 50 Hz/60 Hz from electric grid
dimensions	390 x 308 x 172 mm
weight	approx. 5.6 kg
storage temperature	-25°C...+70°C
operating temperature	-20°C...+50°C
humidity	20%...90%
operating altitude	≤3000 m
reference temperature	+23°C ± 2°C
reference humidity	40%...60%
display	graphical LCD 5.6"
number of R _{iso} measurements with battery power supply	min. 1000 acc. to EN 61557-2
data transmission	USB and Bluetooth
memory of measurement results	990 cells (10 000 records / 8 MB)
quality standard	ISO 9001, ISO 14001, PN-N-18001 compliant
device meets the requirements of standards	EN 61010-1 and IEC 61557
the product meets EMC requirements (immunity for industrial environment)	with accordance to standards EN 61326-1 and EN 61326-2-2



Please see available applications with "Virtual Instruments Applications". They allow to check the functions of the meter and its interface before the purchase. Application user may set changes in device settings and perform all possible measurements as in reality.

<https://www.sonel.pl/en/virtual-instrument-applications>

m.v. - measured value

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sonel.com

Figure 5: Detailed technical specifications for the Sonel MIC-5050, including measurement ranges, accuracy, and environmental conditions.

7.1 Charging and Discharging Characteristics

The following tables provide typical charging and discharging times for the tested object at various measurement

voltages and capacitances.

Measuring Voltage	Capacitance [μF]	Charging Time (Maximal) [s]	Discharging Time to 50V [s]
5 kV	1	4.3	0.4
10 kV	1	4.3	0.4
15 kV	1	4.3	0.4

Note: These values are approximate and may vary based on specific test conditions and object characteristics.

8. MAINTENANCE AND CARE

- **Cleaning:** Clean the device casing with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Battery:** Ensure the internal battery is charged regularly, especially if the device is stored for extended periods.
- **Storage:** Store the device in its carrying case in a dry, dust-free environment within the specified storage temperature range.
- **Calibration:** Regular calibration by authorized service centers is recommended to maintain measurement accuracy.

9. TROUBLESHOOTING

If you encounter issues with your MIC-5050, consider the following:

- **No Power:** Check battery charge or external power connection. Ensure the power cable is securely connected.
- **Unstable Readings:** Verify test lead connections. Ensure the object under test is properly isolated. Activate digital filters in noisy environments.
- **Error Messages:** Refer to the on-screen error codes or the full user manual for specific troubleshooting steps.
- **Measurement Fails:** Ensure the test voltage is appropriate for the insulation being tested. Check for short circuits or open circuits in the test setup.

For persistent issues, contact Sonel technical support.

10. WARRANTY AND SUPPORT

10.1 Warranty Information

The Sonel MIC-5050 comes with a 24-month (two-year) warranty from the manufacturer, covering defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

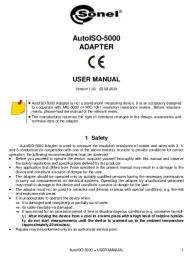
10.2 Software and Virtual Instruments

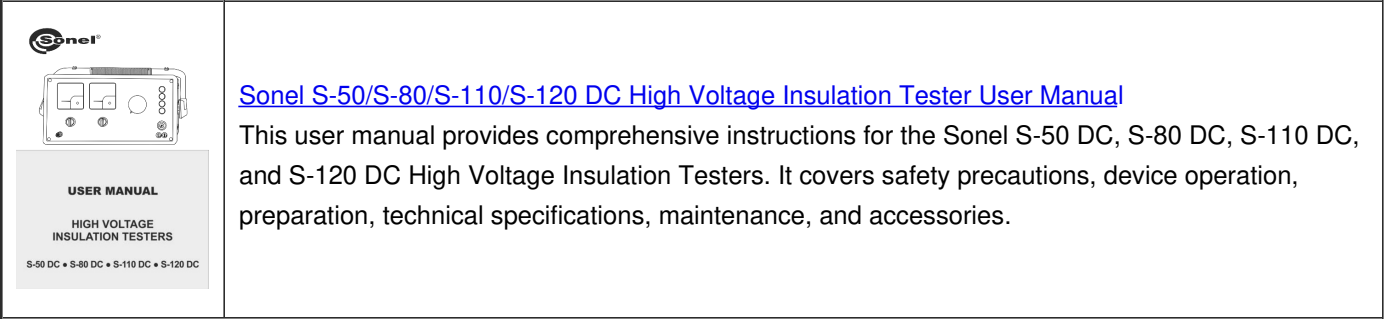
The included Sonel Reader Software allows for data analysis and report generation. For additional resources and virtual instrument applications, visit the official Sonel website:

[Sonel Virtual Instrument Applications](#)

For technical assistance, service, or further inquiries, please contact your authorized Sonel distributor or visit the official Sonel website for support contact information.

Related Documents - MIC-5050

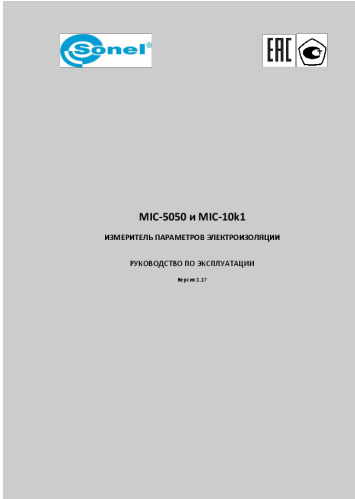
 Sonel AutoISO-5000 ADAPTER CE USER MANUAL Version 1.0 - 2023-01-10	Sonel AutoISO-5000 Adapter User Manual - Safety, Operation, and Technical Specifications Comprehensive user manual for the Sonel AutoISO-5000 Adapter, detailing safety precautions, adapter output descriptions, cleaning and maintenance, storage guidelines, disposal information, and technical specifications. Includes manufacturer contact details for SONEL S.A.
 Sonel User manual PAT-95 • PAT-96 Portable Appliance Tester	Sonel PAT-95/96 Portable Appliance Tester User Manual Comprehensive user manual for the Sonel PAT-95 and PAT-96 portable appliance testers. Learn about their features for electrical safety testing, including insulation resistance, leakage current, and RCD tests, integrated with the Sonel MeasureEffect™ platform. Details specifications, operation, and compliance with industry standards.
 Sonel MPI-525 Multi-function Electrical System Meter 2.5 kV Insulation Resistance RCD Testing Loop Impedance Safety Inspections Focused on insulation resistance measurements	Sonel MPI-525 Multi-function Electrical System Meter - Technical Specifications and Features Detailed information on the Sonel MPI-525 multi-function meter for electrical system parameters, including insulation resistance testing up to 2.5 kV, RCD testing, loop impedance, and safety inspections. Features technical specifications, standard and optional accessories.
 Sonel MPI-536 Multifunktions-Installationsprüfgerät 2.5 kV Isolationsprüfung 7" Touchscreen umfassende Messfunktionen Der Spezialist für Isolationsprüfungen	Sonel MPI-536: Multifunktions-Installationsprüfgerät für elektrische Sicherheit Entdecken Sie das Sonel MPI-536, ein vielseitiges Multifunktions-Installationsprüfgerät für professionelle elektrische Sicherheitsprüfungen. Mit 2,5 kV Isolationsprüfung, 7" Touchscreen und umfassenden Messfunktionen.
 Sonel USER MANUAL EARTH RESISTANCE METER MRU-10	Sonel MRU-10 User Manual: Earth Resistance Meter Guide Comprehensive user manual for the Sonel MRU-10 Earth Resistance Meter, detailing its operation, measurement procedures (3-pole and 2-pole methods), technical specifications, safety precautions, maintenance, and accessories.



[Sonel S-50/S-80/S-110/S-120 DC High Voltage Insulation Tester User Manual](#)

This user manual provides comprehensive instructions for the Sonel S-50 DC, S-80 DC, S-110 DC, and S-120 DC High Voltage Insulation Testers. It covers safety precautions, device operation, preparation, technical specifications, maintenance, and accessories.

Documents - Sonel – MIC-5050



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Антон Харитонов MIC 5050 10k1 storage yandexcloud net sonel files manual mic

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INSTRUKCJA OBSŁUGI SONEL MIC MOBILE oprogramowanie Dotyczy mierników rezystancji izolacji: MIC-15k1 MIC-10s1 MIC-10k1 MIC-05s1 **MIC-5050** SONEL S.A. ul. Wokulskiego 11 58-100 widnica Wersja 1.00 16.09.2019 Program Sonel MIC Mobile sluy do zdalnego odczytywania wynikw pomiarw MIC-15k1, MIC-10s1, MIC-...

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MIC-10k1 **MIC-5050** SONEL SA ul. Wokulskiego 11 58-100 widnica, Poland 2019.07.23 1.01a MIC-10k1 **MIC-5050** 2 MIC-10k1 **MIC-5050** 1.01a 1

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OPERATING MANUAL

INSULATION RESISTANCE METERS

MIC-10k1 and MIC-5050

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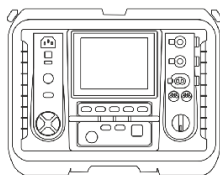
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OPERATING MANUAL INSULATION RESISTANCE METERS MIC-10k1 and **MIC-**

5050 SONEL SA ul. Wokulskiego 11 58-100 widnica, Poland Version 1.09

07.02.2017 MIC-10k1 and **MIC-5050** meters are modern, high-quality meters, easy and safe in operation. Please acquaint yourself with this manual in order to avoid m...

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MANUALE D'USO

MISURATORI DELLA RESISTENZA DI ISOLAMENTO

MIC-10k1 • MIC-5050

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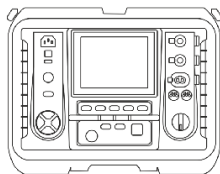
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MANUALE D USO MISURATORI DELLA RESISTENZA DI ISOLAMENTO MIC-10k1

MIC-5050 SONEL S.A. Wokulskiego 11 58-100 widnica, Polonia Versione 2.02

26.08.2021 I misuratori MIC-10k1 e **MIC-5050** sono moderni e di alta qualit, facili e sicuri da usare. Si consiglia di familiarizzare con questo manuale per ev...

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MANUAL DO USUÁRIO

MEDIDOR DE RESISTÊNCIA DE ISOLAMENTO

MIC-10k1 • MIC-5050

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MANUAL DO USURIO MEDIDOR DE RESISTNCIA DE ISOLAMENTO MIC-10k1

MIC-5050 SONEL S.A. Wokulskiego 11 58-100 widnica Verso 2.02 26.08.2021 Os

medidores MIC-10k1 e **MIC-5050** so instrumentos de medio modernos de alta qualidade, feis e seguros de usar. No entanto, a leitura deste manual ir ajudlo a evi...

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USER MANUAL

SONEL MIC MOBILE software

Applies to insulation resistance meters:

MIC-15k1
MIC-10s1
MIC-10k1
MIC-05s1
MIC-5050



SONEL S.A.
Wokulskiego 11
58-100 Świdnica

Version 1.00 16.09.2019

[\[pdf\]](#) User Manual Quick Start Guide

Sonel MIC Mobile user manual cdn sonel 2 USER MANUAL is designed for remote readout of measurement results 15k1 10s1 10k1 05s1 5050 and control via Bluetooth insobs v1 00 GB Instrukcje |||

USER MANUAL SONEL MIC MOBILE software Applies to insulation resistance meters: MIC-15k1 MIC-10s1 MIC-10k1 MIC-05s1 **MIC-5050** SONEL S.A.

Wokulskiego 11 58-100 widnica Version 1.00 16.09.2019 Sonel MIC Mobile is designed for remote readout of measurement results MIC-15k1, MIC-10s1, MIC-10k1, MIC-05s...

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MĚŘIČ IZOLAČNÍHO ODPORU

MIC-10k1 • MIC-5050

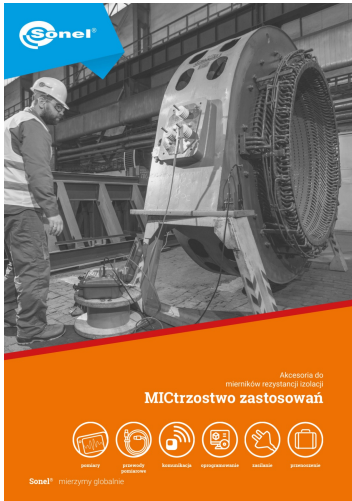
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2 NVOD K OBSLUZE MIC IZOLACNHO ODPORU MIC-10k1 **MIC-5050** SONEL S.A.

Wokulskiego 11 58-100 widnica, Polsko Verze 2.02 26.08.2021 Mic MIC-10k1 a mic **MIC-5050** je modern mic pstroj, vysok kvality pro snadn a bezpecn pouzit. Pecten tohoto nvodu umozn vyvarovat se chyb bhem men a zabrn ppadnm problmm...

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Sonel MIC 5050 e mierniki pl Akcesoria do PL v1 2 cdn sonel Broszury |||

Akcesoria do mierników rezystancji izolacji MIC-5050 zastosowania pomiaru przewodów pomiarowych Sonel ... 0 skutecznie krosowania dla sześciu kolejnych połączeń.

Akcesorium dedykowane do przyrządów: MIC-10k1 **MIC-5050** 2 Adapter AGT-16T

Adapter AGT-32P Adaptery do gniazd przemysłowych Umoliwiają podłączenie...

lang:pl **score:34** filesize: 6.32 M page_count: 24 document date: 2021-08-26



[\[pdf\]](#) User Manual

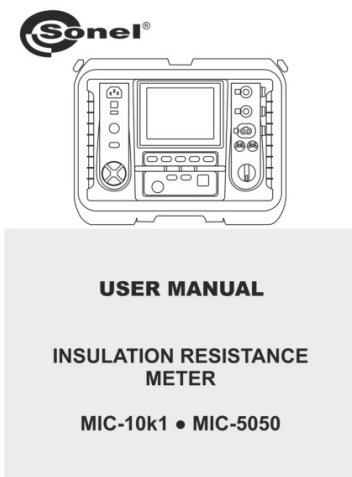
MIC 10k1 5050 Bedienungsanleitung SONEL S A Download Manuals Sonel test measurement User manual DE insobs v2 02 cdn sonel Instrukcje |||

BEDIENUNGSANLEITUNG ISOLATIONSWIDERSTANDSMESSGERÄT MIC-10k1

MIC-5050 SONEL S.A. Wokulskiego 11 58-100 widnica, Polen Version 2.02

26.08.2021 Das MIC-10k1 und **MIC-5050**, sind moderne und hochqualitative Prüfgeräte, zur einfachen und sicheren Durchführung von Isolationsprüfungen. Bitte machen Sie sich ...

lang:de **score:34** filesize: 3.47 M page_count: 72 document date: 2021-09-01



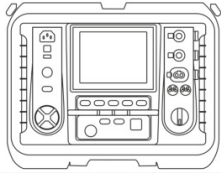
[\[pdf\]](#) User Manual

MIC 10k1 5050 User manual SONEL S A USER MANUAL 5 1 Safety The and insulation meter is designed to measure resistance of insobs v2 04 US cdn sonel Instrukcje |||

USER MANUAL INSULATION RESISTANCE METER MIC-10k1 **MIC-5050** SONEL

S.A. Wokulskiego 11 58-100 widnica Poland Version 2.04.1 29.03.2022 The MIC-10k1 and **MIC-5050** are a high-quality testing instruments, designed for safe and easy operation. Please acquaint yourself with this manual in order to avoid...

lang:en **score:33** filesize: 3.65 M page_count: 72 document date: 2022-03-29



USER MANUAL

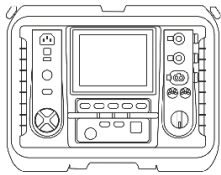
INSULATION RESISTANCE METER

MIC-10k1 • MIC-5050

[\[pdf\]](#) User Manual

MIC 10k1 5050 User manual SONEL S A USER MANUAL 5 1 Safety The and insulation meter is designed to measure resistance of insobs v2 04 US cdn sonel Instrukcje |||

USER MANUAL INSULATION RESISTANCE METER MIC-10k1 **MIC-5050** SONEL S.A. Wokulskiego 11 58-100 widnica Poland Version 2.04 03.03.2022 The MIC-10k1 and **MIC-5050** are a high-quality testing instruments, designed for safe and easy operation. Please acquaint yourself with this manual in order to avoid m...
lang:en **score:33** filesize: 3.66 M page_count: 72 document date: 2022-03-03



USER MANUAL

INSULATION RESISTANCE METER

MIC-10k1 • MIC-5050

[\[pdf\]](#) User Manual

MIC 10k1 5050 User manual SONEL S A insobs v2 06 US cdn sonel Erp |||

USER MANUAL INSULATION RESISTANCE METER MIC-10k1 **MIC-5050** SONEL S.A. Wokulskiego 11 58-100 widnica Poland Version 2.06 16.02.2023 The MIC-10k1 and **MIC-5050** are a high-quality testing instruments, designed for safe and easy operation. Please acquaint yourself with this manual in order to avoid m...
lang:en **score:33** filesize: 3.66 M page_count: 76 document date: 2023-02-16



USER MANUAL

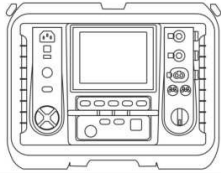
INSULATION RESISTANCE METER

MIC-10k1 • MIC-5050

[\[pdf\]](#) User Manual

MIC 10k1 5050 user manual SONEL S A insobs v2 01 GB cdn sonel Instrukcje |||

USER MANUAL INSULATION RESISTANCE METER MIC-10k1 **MIC-5050** SONEL S.A. Wokulskiego 11 58-100 widnica, Poland Version 2.01 23.03.2021 MIC-10k1 and **MIC-5050** meters are modern, high-quality meters, easy and safe in operation. Please acquaint yourself with this manual in order to avoid measuring erro...
lang:en **score:33** filesize: 3.42 M page_count: 72 document date: 2021-03-23



USER MANUAL

INSULATION RESISTANCE METER

MIC-10k1 • MIC-5050

[\[pdf\]](#) User Manual

MIC 10k1 5050 user manual Sonel S A insobs v2 07 GB cdn sonel Erp |||

USER MANUAL INSULATION RESISTANCE METER MIC-10k1 **MIC-5050** SONEL S.A. Wokulskiego 11 58-100 widnica Poland Version 2.07 13.09.2023 MIC-10k1 and **MIC-5050** meters are modern, high-quality meters, easy and safe in operation. Please acquaint yourself with this manual in order to avoid measuring error... lang:en **score:33** filesize: 3.21 M page_count: 68 document date: 2023-09-13



USER MANUAL

INSULATION RESISTANCE METER

MIC-10k1 • MIC-5050

[\[pdf\]](#) User Manual

MIC 10k1 5050 user manual Sonel S A insobs v2 08 GB cdn sonel Erp |||

USER MANUAL INSULATION RESISTANCE METER MIC-10k1 **MIC-5050** SONEL S.A. Wokulskiego 11 58-100 widnica Poland Version 2.08 11.06.2024 MIC-10k1 and **MIC-5050** meters are modern, high-quality meters, easy and safe in operation. Please acquaint yourself with this manual in order to avoid measuring error... lang:en **score:33** filesize: 2.53 M page_count: 68 document date: 2024-06-11



USER MANUAL

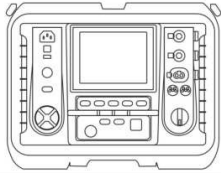
INSULATION RESISTANCE METER

MIC-10k1 • MIC-5050

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MIC 10k1 5050 user manual Sonel S A insobs v2 09 GB cdn sonel Erp |||

USER MANUAL INSULATION RESISTANCE METER MIC-10k1 **MIC-5050** SONEL S.A. Wokulskiego 11 58-100 widnica Poland Version 2.09 01.10.2024 MIC-10k1 and **MIC-5050** meters are modern, high-quality meters, easy and safe in operation. Please acquaint yourself with this manual in order to avoid measuring error... lang:en **score:33** filesize: 2.53 M page_count: 68 document date: 2024-10-01



USER MANUAL

INSULATION RESISTANCE METER

MIC-10k1 • MIC-5050

[\[pdf\]](#) User Manual

MIC 10k1 5050 user manual Sonel S A insobs v2 10 GB cdn sonel Erp |||

USER MANUAL INSULATION RESISTANCE METER MIC-10k1 **MIC-5050** SONEL S.A. Wokulskiego 11 58-100 widnica Poland Version 2.10 22.01.2025 MIC-10k1 and

MIC-5050 meters are modern, high-quality meters, easy and safe in operation.

Please acquaint yourself with this manual in order to avoid measuring error...

lang:en **score:33** filesize: 2.52 M page_count: 68 document date: 2025-01-22



BEDIENUNGSANLEITUNG

ISOLATIONSWIDERSTANDSMESSGERÄT

MIC-5010 • MIC-5005

[\[pdf\]](#) User Manual

MIC 5050 5005 Bedienungsanleitung SONEL S A Download Manuals Sonel test measurement User manual 5010 DE insobs v1 17 cdn sonel Instrukcje |||

BEDIENUNGSANLEITUNG ISOLATIONSWIDERSTANDSMESSGERT MIC-5010

MIC-5005 SONEL S.A. Wokulskiego 11 58-100 widnica Version 1.17 09.09.2021 Die

Messgeräte MIC-5010 und MIC-5005 sind moderne qualitativ hochwertige, benutzerfreundliche und sichere Messgeräte. Dennoch ist es ratsam die vorliegende Bedienun...

lang:de **score:33** filesize: 2.65 M page_count: 48 document date: 2021-09-09



USER MANUAL

INSULATION RESISTANCE METER

MIC-10k1 • MIC-5050

[\[pdf\]](#) User Manual

MIC 10k1 5050 user manual SONEL S A USER MANUAL INSULATION RESISTANCE METER

Wokulskiego 11 58 100 Świdnica Poland Version 2 02 26 08 2021 insobs v2 GB cdn sonel Instrukcje |||

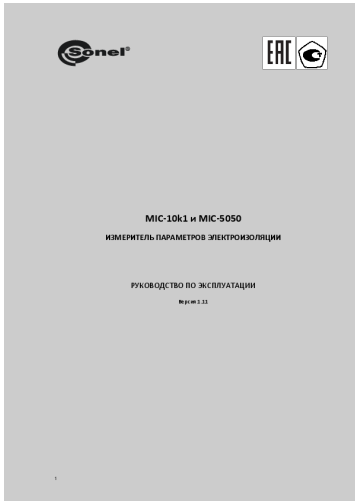
USER MANUAL INSULATION RESISTANCE METER MIC-10k1 **MIC-5050** SONEL

S.A. Wokulskiego 11 58-100 widnica, Poland Version 2.02 26.08.2021 MIC-10k1 and

MIC-5050 meters are modern, high-quality meters, easy and safe in operation.

Please acquaint yourself with this manual in order to avoid measuring erro...

lang:en **score:32** filesize: 3.35 M page_count: 72 document date: 2021-08-31



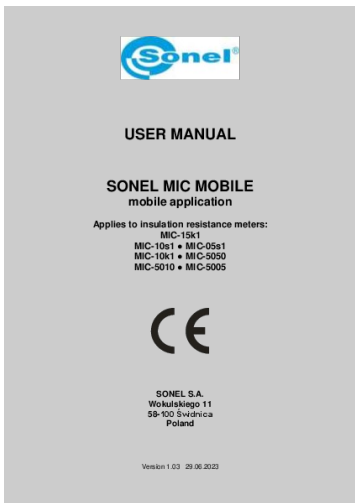
[pdf]

Антон Харитонов Технические характеристики Купить MIC 5050 Измерители сопротивления изоляции Sonel 1PYeLt210N elaso ua docs |||

MIC-10k1 **MIC-5050** 1.11 1 1

..... 5 2

lang:i-klngon score:32 filesize: 1.73 M page_count: 56 document date: 2017-12-20



[pdf]

User Manual Quick Start Guide

Sonel MIC Mobile User manual S A Version 1 03 29 06 2023 2 USER MANUAL is designed for remote readout of measurement results and control via Bluetooth Please acquaint yourself with this in order to avoid problems operation the application The updated periodically insobs v1 GB cdn sonel Erp |||

USER MANUAL SONEL MIC MOBILE mobile application Applies to insulation resistance meters: MIC-15k1 MIC-10s1 MIC-05s1 MIC-10k1 **MIC-5050** MIC-5010 MIC-5005 SONEL S.A. Wokulskiego 11 58-100 widnica Poland Version 1.03

29.06.2023 Sonel MIC Mobile is designed for remote readout of measurement results

...

lang:en score:32 filesize: 2.33 M page_count: 28 document date: 2023-06-29



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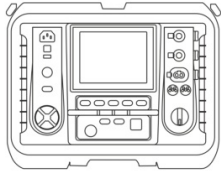
MIC 10k1 5050 Manuale d uso SONEL S A insobs v2 04 ITA cdn sonel Instrukcje |||

MANUALE D USO MISURATORI DELLA RESISTENZA DI ISOLAMENTO MIC-10k1

MIC-5050 SONEL S.A. Wokulskiego 11 58-100 widnica Polonia Versione 2.04

03.03.2022 I misuratori MIC-10k1 e **MIC-5050** sono moderni e di alta qualit, facili e sicuri da usare. Si consiglia di familiarizzare con questo manuale per evi...

lang:it score:32 filesize: 3.22 M page_count: 72 document date: 2022-03-03



USER MANUAL

INSULATION RESISTANCE METER

MIC-10k1 • MIC-5050

[\[pdf\]](#) User Manual

MIC 10k1 5050 User manual SONEL S A Sonel SA 22 janv 2022 — Last saved measurement in sub object 3 Level 1 Page 53 ○ USER MANUAL 51 Use and buttons to move between objects insobs v2 03 US cdn sonel Instrukcje |||

USER MANUAL INSULATION RESISTANCE METER MIC-10k1 **MIC-5050** SONEL S.A. Wokulskiego 11 58-100 widnica Poland Version 2.03 18.01.2022 The MIC-10k1 and **MIC-5050** are a high-quality testing instruments, designed for safe and easy operation. Please acquaint yourself with this manual in order to avoid m...
lang:en **score:32** filesize: 3.65 M page_count: 72 document date: 2022-02-01



USER MANUAL

INSULATION RESISTANCE METERS

MIC-10k1 • MIC-5050

[\[pdf\]](#) User Manual

MIC 10k1 5050 user manual SONEL S A 1037878 02 promelsa pe media |||

USER MANUAL INSULATION RESISTANCE METERS MIC-10k1 **MIC-5050** SONEL S.A. Wokulskiego 11 58-100 widnica, Poland Version 1.20 01.07.2020 MIC-10k1 and **MIC-5050** meters are modern, high-quality meters, easy and safe in operation. Please acquaint yourself with this manual in order to avoid measuring err...
lang:en **score:32** filesize: 2.76 M page_count: 72 document date: 2020-07-01



INSTRUKCJA OBSŁUGI

MIERNIKI REZYSTANCJI IZOLACJI

MIC-10k1 i MIC-5050

[\[pdf\]](#)

SONEL S A Sonel MIC 5050 Miernik rezystancji izolacji 5kV sonel mic 10k1 miernik instrukcja merserwis pl images stories virtuemart product |||

INSTRUKCJA OBSŁUGI MIERNIKI REZYSTANCJI IZOLACJI MIC-10k1 i **MIC-5050** SONEL S.A. ul. Wokulskiego 11 58-100 widnica Wersja 1.11 02.02.2018 Mierniki MIC-10k1 i **MIC-5050** s nowoczesnymi, wysokiej jakości przyrzdami pomiarowymi, łatwymi i bezpiecznymi w obsłudze. Jednak przeczytanie niniejszej instru...
lang:pl **score:32** filesize: 8.04 M page_count: 70 document date: 2018-02-02



USER MANUAL

INSULATION RESISTANCE METER

MIC-10k1 • MIC-5050

[\[pdf\]](#) User Manual

MIC 10k1 5050 user manual SONEL S A 2 USER MANUAL and meters are modern high quality easy safe in operation Please acquaint yourself with this order to avoid measuring errors prevent possible problems insobs v2 06 GB cdn sonel Erp |||

USER MANUAL INSULATION RESISTANCE METER MIC-10k1 **MIC-5050** SONEL S.A. Wokulskiego 11 58-100 widnica Poland Version 2.06 16.02.2023 MIC-10k1 and **MIC-5050** meters are modern, high-quality meters, easy and safe in operation. Please acquaint yourself with this manual in order to avoid measuring error...
lang:en **score:32** filesize: 3.38 M page_count: 72 document date: 2023-02-16



INSTRUKCJA OBSŁUGI

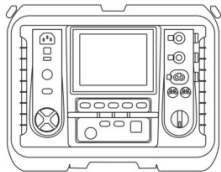
MIERNIKI REZYSTANCJI IZOLACJI

MIC-10k1 i MIC-5050

[\[pdf\]](#)

SONEL S A Pobierz Sonel MIC 5050 Miernik rezystancji izolacji do 5kV sonel mic 10k1 miernik instrukcja merserwis pl images karty katalogowe |||

INSTRUKCJA OBSŁUGI MIERNIKI REZYSTANCJI IZOLACJI MIC-10k1 i **MIC-5050** SONEL S.A. ul. Wokulskiego 11 58-100 widnica Wersja 1.11 02.02.2018 Mierniki MIC-10k1 i **MIC-5050** s nowoczesnymi, wysokiej jakości przyrzdami pomiarowymi, łatwymi i bezpiecznymi w obsłudze. Jednak przeczytanie niniejszej instru...
lang:pl **score:32** filesize: 1.55 M page_count: 70 document date: 2023-10-18



USER MANUAL

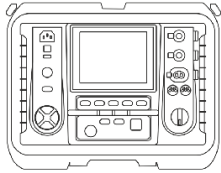
INSULATION RESISTANCE METER

MIC-10k1 • MIC-5050

[\[pdf\]](#) User Manual

MIC 10k1 5050 user manual SONEL S A Insulation Resistance Meters Electrical safety measurements Devices Sonel insobs v2 04 GB cdn sonel Instrukcje |||

USER MANUAL INSULATION RESISTANCE METER MIC-10k1 **MIC-5050** SONEL S.A. Wokulskiego 11 58-100 widnica Poland Version 2.04 03.03.2022 MIC-10k1 and **MIC-5050** meters are modern, high-quality meters, easy and safe in operation. Please acquaint yourself with this manual in order to avoid measuring error...
lang:en **score:32** filesize: 3.32 M page_count: 72 document date: 2022-03-03



MANUAL DE USO

MEDIDOR DE RESISTENCIA DE AISLAMIENTO

MIC-10k1 • MIC-5050

[\[pdf\]](#) User Manual

MIC 10k1 5050 Manual de uso Sonel S A insobs v2 07 ES cdn sonel Erp |||

MANUAL DE USO MEDIDOR DE RESISTENCIA DE AISLAMIENTO MIC-10k1 **MIC-5050** SONEL S.A. Wokulskiego 11 58-100 widnica Polonia Versin 2.07 13.09.2023

Los medidores MIC-10k1 y **MIC-5050** son unos dispositivos de medicin modernos, de alta calidad, fciles y seguros de usar. Lea estas instrucciones para evit...

lang:es **score:32** filesize: 3.27 M page_count: 68 document date: 2023-09-13



USER MANUAL

BLUETOOTH KEYBOARD



SONEL S.A.
Wokulskiego 11
58-100 Swidnica

Version 2.00 19.09.2022

[\[pdf\]](#) User Manual

Bluetooth keyboard user manual WAADAMK insobs v2 00 GB cdn sonel Erp |||

USER MANUAL BLUETOOTH KEYBOARD SONEL S.A. Wokulskiego 11 58-100 widnica Version 2.00 19.09.2022 1 Introduction Bluetooth Keyboard is a universal tool, but its use as a device intended for the cooperation with MPI-530, MPI-530-IT, MIC-10k1, **MIC-5050** meters, manufactured by Sonel S.A., has been desc...

lang:en **score:32** filesize: 293.74 K page_count: 4 document date: 2022-09-21



USER MANUAL

INSULATION RESISTANCE METER

MIC-10k1 • MIC-5050

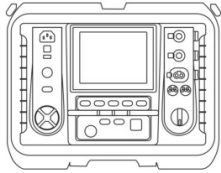
[\[pdf\]](#) User Manual

MIC 10k1 5050 user manual SONEL S A 10K1 Insulation Resistance Meters Electrical safety measurements Devices Sonel insobs v2 03 GB cdn sonel Instrukcje |||

USER MANUAL INSULATION RESISTANCE METER MIC-10k1 **MIC-5050** SONEL S.A. Wokulskiego 11 58-100 widnica Poland Version 2.03 18.02.2022 MIC-10k1 and **MIC-5050** meters are modern, high-quality meters, easy and safe in operation.

Please acquaint yourself with this manual in order to avoid measuring error...

lang:en **score:32** filesize: 3.4 M page_count: 72 document date: 2022-01-19



USER MANUAL

INSULATION RESISTANCE METER

MIC-10k1 • MIC-5050

[\[pdf\]](#) User Manual

MIC 10k1 5050 user manual SONEL S A User GB 10K1 Insulation Resistance Meters Electrical safety measurements Devices Sonel insobs v2 04 1 cdn sonel Instrukcje |||

USER MANUAL INSULATION RESISTANCE METER MIC-10k1 **MIC-5050** SONEL S.A. Wokulskiego 11 58-100 widnica Poland Version 2.04.1 29.03.2022 MIC-10k1 and **MIC-5050** meters are modern, high-quality meters, easy and safe in operation. Please acquaint yourself with this manual in order to avoid measuring err...

lang:en **score:31** filesize: 3.41 M page_count: 72 document date: 2022-03-29



USER MANUAL

INSULATION RESISTANCE METERS

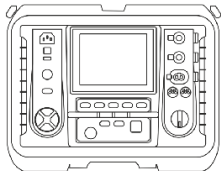
MIC-10k1 and MIC-5050

[\[pdf\]](#) User Manual

Instrukcja obsługi MIC 2510 SONEL S A 10k1 Insulation Resistance Meter User manual brandishire au 2023 07 |||

USER MANUAL INSULATION RESISTANCE METERS MIC-10k1 and **MIC-5050** SONEL S.A. Wokulskiego 11 58-100 widnica, Poland Version 1.12 07.06.2018 MIC-10k1 and **MIC-5050** meters are modern, high-quality meters, easy and safe in operation. Please acquaint yourself with this manual in order to avoid measurin...

lang:en **score:31** filesize: 2.39 M page_count: 70 document date: 2018-06-07



MANUAL DE USO

MEDIDOR DE RESISTENCIA DE AISLAMIENTO

MIC-10k1 • MIC-5050

[\[pdf\]](#) User Manual

MIC 10k1 5050 Manual de uso SONEL S A insobs v2 03 ES cdn sonel Instrukcje |||

MANUAL DE USO MEDIDOR DE RESISTENCIA DE AISLAMIENTO MIC-10k1 **MIC-5050** SONEL S.A. Wokulskiego 11 58-100 widnica Polonia Versin 2.03 18.01.2022 Los medidores MIC-10k1 y **MIC-5050** son unos dispositivos de medicin modernos, de alta calidad, fciles y seguros de usar. Lea estas instrucciones para evit...

lang:es **score:31** filesize: 3.35 M page_count: 72 document date: 2022-01-19



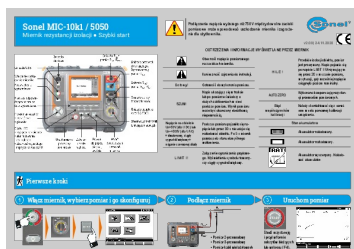
[\[pdf\]](#) User Manual

MIC 10k1 5050 Manual de uso SONEK S A insobs v2 02 ES cdn sonel Instrukcje |||

MANUAL DE USO MEDIDOR DE RESISTENCIA DE AISLAMIENTO MIC-10k1 **MIC-5050** SONEK S.A. Wokulskiego 11 58-100 widnica, Polonia Versin 2.02 26.08.2021

Los medidores MIC-10k1 y **MIC-5050** son unos dispositivos de medicin modernos, de alta calidad, fciles y seguros de usar. Lea estas instrucciones para evi...

lang:es **score:31** filesize: 3.33 M page_count: 72 document date: 2021-08-31



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Download Manuals Sonek test measurement QuickStart MIC 5050 10k1 PL insobr v2 00 cdn sonel

Instrukcje |||

Sonek MIC-10k1 / 5050 Miernik rezystancji izolacji Szybki start Podłączenie napicia wyszego ni 750 V midzy dowolne zaciski pomiarowe moe spowodowa uszkodzenie miernika i zagroenie dla uytownika. v2.00 24.11.2020 OSTRZEZENIA I INFORMACJE WYWIETLANE PRZEZ MIERNIK Obecno napicia pomiarowego na zac...

lang:pl **score:31** filesize: 574.38 K page_count: 2 document date: 2020-11-24



[\[pdf\]](#) User Manual

MIC 10k1 5050 Manual de uso SONEK S A insobs v2 04 1 ES cdn sonel Instrukcje |||

MANUAL DE USO MEDIDOR DE RESISTENCIA DE AISLAMIENTO MIC-10k1 **MIC-5050** SONEK S.A. Wokulskiego 11 58-100 widnica Polonia Versin 2.04.1 29.03.2022

Los medidores MIC-10k1 y **MIC-5050** son unos dispositivos de medicin modernos, de alta calidad, fciles y seguros de usar. Lea estas instrucciones para ev...

lang:es **score:31** filesize: 3.4 M page_count: 72 document date: 2022-03-29



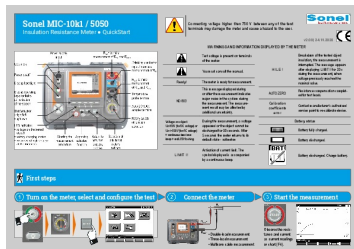
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MIERNIK REZYSTANCJI IZOLACJI MIC 5050 WMPLMIC5050 SONEK sonelcatalog2015 018

elektrykasklep pl file 328269 |||

BEZPRZEWODOWA TRANSMISJA DANYCH DO KOMPUTERA Pomiar rezystancji izolacji: do 40 T dla MIC-10k, do 20 T dla **MIC-5050**, - napicia pomiarowe wybierane w zakresie: 50...5000 V dla **MIC-5050** 50...1000 V co 10 V, 1...5 kV co 25 V , 50...10000 V dla MIC-10k1 50...1000 V co 10 V, 1...10 kV co 25 V , - c...

lang:pl **score:31** filesize: 744.48 K page_count: 1 document date: 2015-07-14



[pdf]

Download Manuals Sonel test measurement QuickStart MIC 5050 10k1 US insobr v2 00 USA cdn sonel

Instrukcje |||

Sonel MIC-10k1 / 5050 Insulation Resistance Meter QuickStart Connecting voltage higher then 750 V between any of the test terminals may damage the meter and cause a hazard to the user. v2.00 24.11.2020 WARNINGS AND INFORMATION DISPLAYED BY THE METER Ready NOISE Test voltage is present on te...

lang:en score:31 filesize: 581.82 K page_count: 2 document date: 2020-11-24



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karta kat MIC 5050 10k1 v0 cdr jpara Sonel Miernik rezystancji izolacji 5kV sonel mic10k1 mic5050 web pl merserwis pub karty katalogowe |||

Indeks: WMPLMIC10K1 MIC-10k1 WMPLMIC5050 **MIC-5050** MIERNIKI REZYSTANCJI IZOLACJI MIC-10k1 / **MIC-5050** NOWO Sonel S.A. ul. Wokulskiego 11 58-100 widnica tel. 48 74 85 83 878 fax 48 74 85 83 808 dh sonel.pl www.sonel.pl BEZPRZEWODOWA TRANSMISJA DANYCH DO KOMPUTERA Pomiar rezystancji izolacji: ...

lang:pl score:30 filesize: 314.94 K page_count: 2 document date: 2016-05-09



[pdf] User Manual Quick Start Guide

Sonel MIC Mobile user manual sonel mic mobile 17 août 2022 — The application works with devices operating on Android system in version 5 0 and later Before installing the app make sure that you have latest 26 pages insobs v1 01 GB cdn Instrukcje |||

USER MANUAL SONEL MIC MOBILE software Applies to insulation resistance meters: MIC-15k1 MIC-10s1 MIC-10k1 MIC-05s1 **MIC-5050** SONEL S.A.

Wokulskiego 11 58-100 widnica Version 1.01 17.08.2022 Sonel MIC Mobile is designed for remote readout of measurement results MIC-15k1, MIC-10s1, MIC-10k1, MIC-05s...

lang:en score:30 filesize: 2.12 M page_count: 26 document date: 2022-08-17



[pdf] Datasheet

MIC 5050 Insulation Resistance Meters Electrical safety measurements Devices Sonei S A datasheet

10k1 EN v2 10 cdn sonel Karty katalogowe Mierniki |||

Insulation Resistance Meters MIC-10k1 / 5050 index: WMGBMIC10k1 /

WMGBMIC5050 Insulation of cables Transformers Electric machines Power objects

BLUETOOTH Damage location and insulation measurements Features Insulation

resistance measurement MIC-10k1 up to 40 T **MIC-5050** up to 20 T Measur...

lang:en score:30 filesize: 944.05 K page_count: 6 document date: 2022-03-24



[pdf] Datasheet

MIC 5050 Insulation Resistance Meters Electrical safety measurements Devices Sonei S A datasheet

10k1 EN v2 08 cdn sonel Karty katalogowe Mierniki |||

Insulation Resistance Meters MIC-10k1 / 5050 index: WMGBMIC10k1 /

WMGBMIC5050 Insulation of cables Transformers Electric machines Power objects

BLUETOOTH Damage location and insulation measurements Features Insulation

resistance measurement up to 40 T MIC-10k1 up to 20 T **MIC-5050** Measur...

lang:en score:30 filesize: 1.44 M page_count: 6 document date: 2021-08-31



[pdf] Datasheet

Datasheet MIC 5050 10k1 ENMIC 10K1 Insulation Resistance Meter resistance testers Electrical safety

measurements Devices Sonei S Adatasheet EN v2 16cdn sonel Karty katalogowe Mierniki datasheet 16

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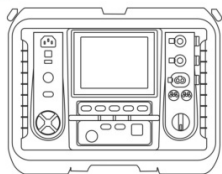
Insulation Resistance Meters MIC-10k1 / 5050 index: WMGBMIC10k1 /

WMGBMIC5050 Insulation of cables Transformers Electric machines Power objects

BLUETOOTH Damage location and insulation measurements Features Insulation

resistance measurement MIC-10k1 up to 40 T **MIC-5050** up to 20 T Measur...

lang:en score:30 filesize: 1015.48 K page_count: 6 document date: 2024-10-09



USER MANUAL

INSULATION RESISTANCE METER

MIC-10k1 • MIC-5050

[\[pdf\]](#) User Manual

MIC 10k1 5050 user manual Sonel S A User GBMIC 10K1 Insulation Resistance Meter resistance testers

Electrical safety measurements Devices AMIC insobs v2 11 GBcdn sonel Erp GB |||

USER MANUAL INSULATION RESISTANCE METER MIC-10k1 **MIC-5050** SONEL S.A. Wokulskiego 11 58-100 widnica Poland Version 2.11 02.06.2025 MIC-10k1 and **MIC-5050** meters are modern, high-quality meters, easy and safe in operation.

Please acquaint yourself with this manual in order to avoid measuring error...

lang:en **score:30** filesize: 2.62 M page_count: 72 document date: 2025-06-02



[\[pdf\]](#) Datasheet

Microsoft Word datasheet MIC 5050 10k1 EN v1 Uttam Biswas Datasheet производителя Купить

Измерители сопротивления изоляции Sonel OmEYjQkX64 elaso ua docs |||

Index: WMGBMIC10K1 MIC-10k1 WMGBMIC5050 **MIC-5050** INSULATION RESISTANCE METER MIC-10k1 / **MIC-5050** WIRELESS DATA TRANSMISION

Sonel S.A. ul. Wokulskiego 11 58-100 widnica, PL tel. 48 74 85 83 860 fax 48 74 85 83 809 export sonel.pl www.sonel.pl Insulation resistance measurement: up to 40 T fo...

lang:en **score:29** filesize: 1.83 M page_count: 2 document date: 2016-07-11



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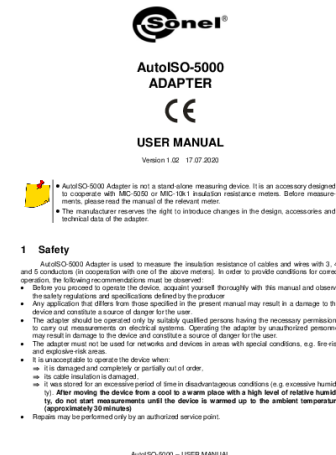
karta kat MIC 5050 10k1 v0 cdr jpara MerserwisWMPLMIC5050 · Pomiar rezystancji izolacji ż do 40 TΩ dla program Sonel Reader certyfikat kalibracji Wyposażenie standardowe sonel mic10k1 mic5050 web plmerserwis pl images karty katalogowe sonel srsLtd

AfmBOoqCYfx4fgwUS558QNAyq8bBoeilGvWRXcl2lawM7H0RJI8yaIUT |||

Indeks: WMPLMIC10K1 MIC-10k1 WMPLMIC5050 **MIC-5050** MIERNIKI

REZYSTANCJI IZOLACJI MIC-10k1 / **MIC-5050** NOWO Sonel S.A. ul. Wokulskiego 11 58-100 widnica tel. 48 74 85 83 878 fax 48 74 85 83 808 dh sonel.pl www.sonel.pl BEZPRZEWODOWA TRANSMISJA DANYCH DO KOMPUTERA Pomiar rezystancji izolacji: ...

lang:pl **score:29** filesize: 314.94 K page_count: 2 document date: 2016-05-09



[\[pdf\]](#) User Manual Specifications Accessories

AutoISO 5000 User manual insobs v1 02 GB cdn sonel Instrukcje |||

AutoISO-5000 ADAPTER USER MANUAL Version 1.02 17.07.2020 AutoISO-5000

Adapter is not a stand-alone measuring device. It is an accessory designed to

cooperate with **MIC-5050** or MIC-10k1 insulation resistance meters. Before

measurements, please read the manual of the relevant meter. The manufacturer...

lang:en **score:29** filesize: 223.6 K page_count: 4 document date: 2020-07-17



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Misuratore della resistenza dell'isolamento mic 5050 sonel it scheda tec MIC 10k1 ITA v2 09 cdn Karty

katalogowe Mierniki |||

Misuratori della resistenza dell'isolamento MIC-10k1 / 5050 indice: WMITMIC10k1 /

WMITMIC5050 Isolamento cavi Trasformatori Macchine elettriche Impianti

elettroenergetici BLUETOOTH Misure con bruciatura Caratteristiche Misura della

resistenza dell'isolamento MIC-10k1 fino a 40 T **MIC-5050** ...

lang:it **score:29** filesize: 884.24 K page_count: 6 document date: 2022-01-26