

Kaise SK-7830

Kaise SK-7830 Digital Current Clamp Meter User Manual

Model: SK-7830

1. INTRODUCTION

Thank you for choosing the Kaise SK-7830 Digital Current Clamp Meter. This device is designed for safe and accurate measurement of electrical current without direct contact with the conductor. It features a 4000-count display and is rated for CAT III 300V applications, making it suitable for various industrial and scientific electrical testing needs.

Please read this manual thoroughly before operating the meter to ensure proper use and to prevent potential hazards.

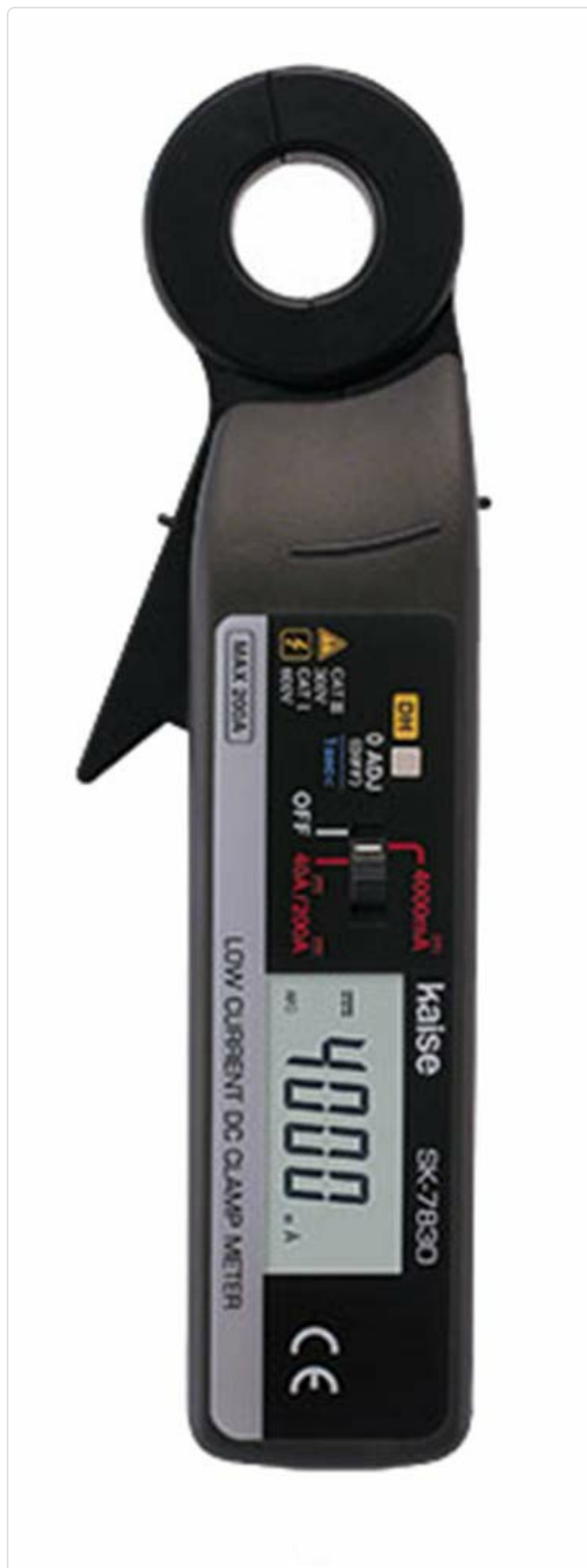
2. SAFETY INFORMATION

Warning: To avoid electric shock or personal injury, and to prevent damage to the meter or to the equipment under test, observe the following safety rules:

- Always adhere to local and national safety codes.
- Do not use the meter if it appears damaged or if the case is open.
- Do not use the meter in wet environments or in the presence of explosive gas or dust.
- Ensure the function switch is in the correct position for the desired measurement before connecting to the circuit.
- The meter is rated for CAT III 300V. Do not apply more than the rated voltage between the terminals or between any terminal and earth ground.
- Always disconnect the meter from the circuit before changing the battery.

3. PRODUCT OVERVIEW AND COMPONENTS

The Kaise SK-7830 is a compact and robust digital current clamp meter. Familiarize yourself with its main components:



This image displays the Kaise SK-7830 Digital Current Clamp Meter. Key components visible include the current clamp jaw at the top, the digital display screen in the middle, and the rotary function switch below the display. The trigger for opening the clamp is on the left side.

1. **Current Clamp Jaw:** Used to encircle the conductor for non-contact current measurement.
2. **Trigger:** Squeezed to open the clamp jaw.
3. **Digital Display:** Shows measurement readings, units, and other indicators (4000 counts).
4. **Function Switch:** Rotary switch to select measurement functions and ranges (OFF, 40A/200A, 4000mA).
5. **Data Hold Button (if applicable):** Freezes the current reading on the display.

6. **Zero Adjustment Button (if applicable):** Used to zero the display before DC current measurements.

4. SETUP

The Kaise SK-7830 requires 1 AAA battery for operation, which is included with the device.

4.1 Battery Installation

1. Locate the battery compartment cover on the back of the meter.
2. Use a screwdriver to open the battery compartment.
3. Insert one AAA battery, observing the correct polarity (+ and -) as indicated inside the compartment.
4. Replace the battery compartment cover and secure it with the screw.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

To power on the meter, rotate the function switch from the "OFF" position to any desired measurement range (e.g., 40A/200A or 4000mA). To power off, rotate the function switch back to the "OFF" position.

5.2 Current Measurement

The SK-7830 is designed for measuring DC current. Ensure the circuit is de-energized if possible before clamping.

1. Rotate the function switch to the appropriate current range (e.g., "40A/200A" for higher currents or "4000mA" for lower currents). If unsure, start with the higher range and decrease if necessary.
2. For DC current measurements, press the "O ADJ" or Zero button (if available) to zero the display before clamping around the conductor. This compensates for any residual magnetism in the clamp jaw.
3. Press the trigger to open the clamp jaw.
4. Carefully position the clamp jaw around a single conductor through which the current you wish to measure is flowing. Ensure the conductor is centered within the jaw for accurate readings.
5. Release the trigger to close the clamp jaw securely around the conductor.
6. Read the current value displayed on the digital screen. The display will show the current in Amperes (A) or milliAmperes (mA) depending on the selected range.
7. To take another measurement, open the clamp, remove it from the conductor, and repeat the process.

Note: The clamp meter measures current flowing through a single conductor. Do not clamp around multiple conductors (e.g., a power cord with both live and neutral wires) as the magnetic fields will cancel out, resulting in an inaccurate or zero reading.

6. MAINTENANCE

6.1 Cleaning

Wipe the case with a damp cloth and mild detergent. Do not use abrasives or solvents. Keep the clamp jaw clean and free of debris to ensure proper operation.

6.2 Battery Replacement

When the battery low indicator appears on the display, replace the battery immediately to ensure accurate readings. Follow the battery installation steps in Section 4.1.

6.3 Storage

If the meter is not to be used for an extended period, remove the battery to prevent leakage and damage to the device. Store the meter in a cool, dry place, away from direct sunlight and extreme temperatures.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No display or faint display	Low or dead battery	Replace the AAA battery.
Inaccurate current reading	Clamp not fully closed; Multiple conductors in jaw; Incorrect range selected; Residual magnetism (for DC)	Ensure clamp is closed around a single conductor; Select appropriate range; Use zero adjustment for DC.
Meter does not turn on	Battery not installed correctly; Function switch not in a measurement position	Check battery polarity; Rotate switch to a measurement function.

8. SPECIFICATIONS

Feature	Specification
Model Number	SK-7830
Measurement Type	Current Clamp Meter (DC)
Display Counts	4000
Min. Operating Voltage	300 Volts
Safety Rating	CAT III 300 V
Power Source	Hand-operated
Batteries	1 AAA battery (included)
Product Dimensions (L x W x H)	7.99 x 2.4 x 1.18 inches
Item Weight	11.29 ounces
Manufacturer	Kaise
Date First Available	August 1, 2020

9. WARRANTY AND SUPPORT

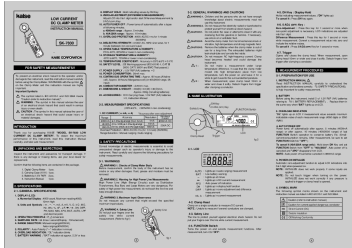
For warranty information or technical support regarding your Kaise SK-7830 Digital Current Clamp Meter, please contact your point of purchase or the manufacturer directly. Keep your purchase receipt as proof of

purchase.

For general inquiries, please refer to the contact information provided by Kaise or your authorized distributor.

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Documents - Kaise – SK-7830

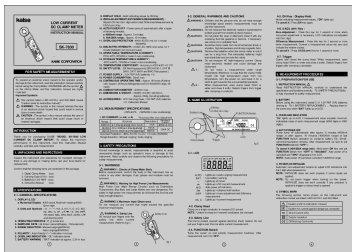


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L OW 4000mA 40A / 200A OFF S K -7 8 3 0 LOW CURRENT DC CLAMP METER
INSTRUCTION MANUAL **SK-7830** FOR SAFETY MEASUREMENTS To prevent an
electrical shock hazard to the operator and/or damage to the instrument, read this
instruction ...

lang:en **score:51** filesize: 320.46 K page_count: 2 document date: 2024-10-31

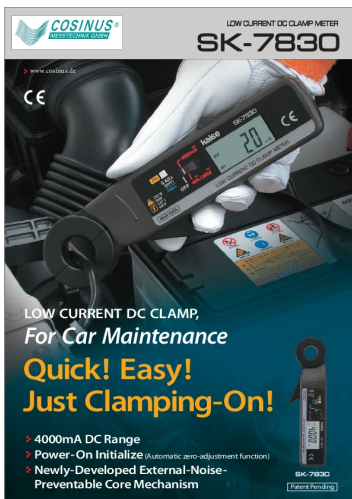


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Symbols The symbol listed in IEC 61010 1 ISO 3864 means SK7830 shahkarstore ir Files

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L OW 4000mA OFF 40A / 200A S K -7 8 3 0 LOW CURRENT DC CLAMP METER
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[\[pdf\]](#) Datasheet

C Documents and Settings koyano Datasheet 2134403 Kaise SK 7830 Clamp meter Digital CAT III 300 V
Display counts 4000 9998400210 4943332378309 datasheet kaise sk clamp digital cat iii v display asset
conrad media10 add 160267 c1 en 002134403DS01

www.cosinus.de LOW CURRENT DC CLAMP METER **SK-7830** LOW CURRENT DC
CLAMP, For Car Maintenance Quick Easy Just Clamping-On 4000mA DC Range
Power-On Initialize Automatic zero-adjustment function Newly-Developed External-
NoisePreventable Core Mechanism **SK-7830** Patent Pending Focused on Current...

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Electrical Measuring Instruments GENERAL CATALOG Vol.4 www.kaise.com

Contents Automotive Testers C ... 50 3 SK-8535 4 Oscilloscope SK-2500 5 Handy mTester SK-3800 7 Low Current DC Clamp Meter **SK-7830** 8 AC / DC Digital Clamp Meters SK-7661 9 SK-7682 9 SK-7718 10 SK-7720 / 7722 11 A...

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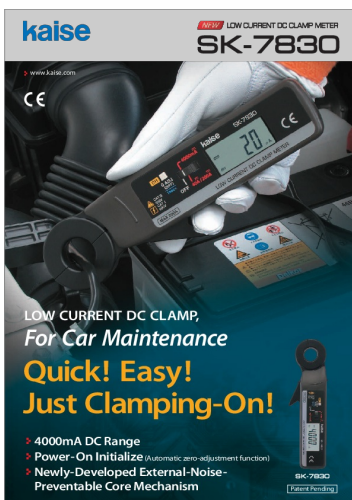


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Electrical Measuring Instruments GENERAL CATALOG Vol.3 www.kaise.com
Contents Clamp Meters Insulat ... Multimeters KT-2021 27 SK-6166 28 Digital Tachometer SK-8401 28 Low Current DC Clamp Meter **SK-7830** 29 O2 Sensor Checker SK-8402 29 Digital Sound Level Meter KG-70 30 Digital Light Met...

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機種名	在庫数	備考
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KF-20	829	
KF-23	87	
KF-30 kit	446	
KF-33	112	
KF-4	1912	在庫限りで販売終了
KF-6	1382	
KF-7	818	在庫限りで販売終了
KF-8	103	
KT-2009	173	
KT-2011	124	
KT-2022(在庫あり)	235	
KG-70	450	
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KG-300	198	
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KF-1 KF-20 KF-23 KF-30kit KF-33 KF-4 KF-6 KF-7 KF-8 KT-2009 KT-2011 KT-2022
 2021 KG-70 KG-75 KG-80 ... 23 23 45 62 4851 873 270 1296 321 4 243 562 45 68
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Electrical Measuring Instruments General Catalog Vol.12 Contents KG-500 3 PC KT-
 2011 8 ... -7720 / 7722 23 SK-7718 23 SK-7708 24 SK-7601 24 SK-7602 25 SK-7615
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 29 SK-2500 30 ...

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Electrical Measuring Instruments General Catalog Vol.11 www.kaise.com Contents SK-250 ... -7720 / 7722 23 SK-7718 23 SK-7708 24 SK-7601 24 SK-7602 25 SK-7615 25 SK-7625 26 **SK-7830** 26 SK-7820 / 7825 27 SK-3500 / 3502 29 SK-3000 / 3002 / 3003 30 SK-3010 / 3012...

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Electrical Measuring Instruments General Catalog Vol.12 Contents KG-500 3 PC KT-2011 8 ... -7720 / 7722 23 SK-7718 23 SK-7708 24 SK-7601 24 SK-7602 25 SK-7615 25 SK-7625 26 **SK-7830** 26 SK-7820 / 7825 27 SK-3002 / 3003 28 SK-3500 / 3502 29 SK-2500 30 ...

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