

HIOKI

SME-8301

SURFACE RESISTANCE MEASUREMENT ELECTRODE

Instruction Manual

September 2013 Revised edition 3 Printed in Japan
SM8301A9E0-03 13-09H

HIOKI

For regional contact information, please go to our website.

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The Declaration of Conformity for instruments that comply to CE mark requirements may be downloaded from the HIOKI website.

Warranty

Warranty malfunctions occurring under conditions of normal use in conformity with the Instruction Manual and Product Precautionary Markings will be repaired free of charge. This warranty is valid for a period of one (1) year from the date of purchase. Please contact the distributor from which you purchased the product for further information on warranty provisions.

Introduction

Thank you for purchasing the HIOKI Model SME-8301 Surface Resistance Measurement Electrode. To obtain maximum performance from the device, please read this manual first, and keep it handy for future reference.

Inspection

When you receive the device, inspect it carefully to ensure that no damage occurred during shipping. If damage is evident, or if it fails to operate according to the specifications, contact your dealer or HioKI representative.

Safety Information

This manual contains information and warnings essential for safe operation of the device and for maintaining it in safe operating condition. Before using it, be sure to carefully read the following safety precautions.

Safety Symbols

In the manual, the  symbol indicates particularly important information that the user should read before using the device.

The following symbols in this manual indicate the relative importance of cautions and warnings.

 **WARNING** Indicates that incorrect operation presents a significant hazard that could result in serious injury or death to the user.

 **NOTE** Indicates advisory items related to performance or correct operation of the device.

Operating Precautions

Follow these precautions to ensure safe operation and to obtain the full benefits of the various functions.

Preliminary Checks

Before using the device the first time, verify that it operates normally to ensure that no damage occurred during storage or shipping. If you find any damage, contact your dealer or HioKI representative.

WARNING

Before using the device, make sure that the insulation on the test leads is undamaged and that no bare conductors are improperly exposed. Using the device in such conditions could cause an electric shock, so contact your dealer or HioKI representative for repair.

NOTE

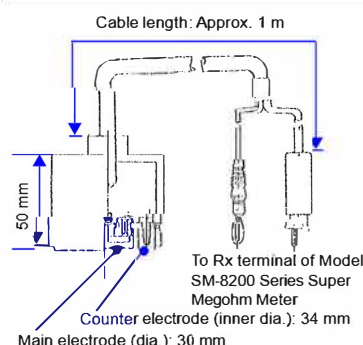
If the measured object has an extremely large insulation resistance, its resistance may not be measured due to induction effect, etc. If the resistance value is not definite, make measurement using Model SME-8320 Weight Electrode.

Overview

This is an electrode which enables simple sample surface resistance measurement with only this electrode pressed onto the sample.

Use this device mainly together with Model SM-8200 Series Super Megohm Meter.

Name of Parts



Measurement Procedure

1. Connect the attached lead to the Rx terminal of Model SM-8200 Series Super Megohm Meter.
2. Measurement can be performed if the necessary samples are prepared and the electrode is pressed against a measured section of the respective sample.

Maintenance and Service

- To clean the device, wipe it gently with a soft cloth moistened with water or mild detergent. Never use solvents such as benzene, alcohol, acetone, ether, ketones, thinners or gasoline, as they can deform and discolor the case.
- If the device seems to be malfunctioning, contact your dealer or HioKI representative.
- Pack the device so that it will not sustain damage during shipping, and include a description of existing damage. We cannot accept responsibility for damage incurred during shipping.