**RM9005** 接続ケーブル

**CONNECTION CABLE** 

#### 取扱説明書 / Instruction Manual

July 2019 Revised edition 1 RM9005A960-01 19-07H

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**JA/EN** 

# HIOKI

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#### 年月日 サービス内容 日置電機株式会社 https://www.hioki.co.ip 18-06 JA-3

#### はじめに

このたびは、HIOKI RM9005 接続ケーブルをご選定いただ き、誠にありがとうございます。この製品を十分にご活用い ただき、末長くご使用いただくためにも、取扱説明書はてい ねいに扱い、大切に保管してください。 本器を使用する前に、RM2610 電極抵抗測定システムの取

扱説明書と別紙の「使用上の注意」もよくお読みください。

#### 取扱説明書の対象読者

この取扱説明書は、製品を使用する方および製品の使い方を 指導する方を対象にしています。 電気の知識を有すること(工業高校の電気系学科を卒業程度) を前提に、製品の使い方を説明しています。

#### 安全に関する記載

本書では、リスクの重大性および危険性のレベルを以下のよ うに区分して表記します。



#### 点検

保存や輸送による故障がないか点検と動作確認をしてから使 用してください。

### 困ったときは

故障と思われるときは、RM2610 電極抵抗測定システムの 取扱説明書の「修理に出される前に」を確認してから、お買上 店(代理店)か最寄りの営業拠点にお問い合わせください。

#### 輸送上の注意

次の事項を必ずお守りください。 本器の損傷を避けるため、RM2611 電極抵抗計とRM9004 テストフィクスチャを本器から外してください。 また、最初にお届けした梱包材を使用し、必ず二重梱包して ください。輸送中の破損については保証しかねます。

### クリーニング

本器の汚れをとるときは、柔らかい布に水か中性洗剤を少量 含ませて、軽く拭いてください。ただし、コネクターのピン 付近はぬらさないでください。

概要

RM9005 接続ケーブルは、RM2611 電極抵抗計とRM9004 テストフィクスチャをつなぐケーブルです。RM2611側がオ ス、RM9004側がメスです。

## 仕様

使用場所	屋内使用、汚染度 <b>2</b> 、高度 <b>2000 m</b> まで	
使用温湿度範囲	0°C ~ 40°C、80% rh以下 (結露しないこと)	
保存温湿度範囲	0°C ~ 50°C、80% rh以下 (結露しないこと)	
全長	約970 mm	
質量	約450 g	
RM2611側 コネクター	D-Sub 50 ピン プラグ 固定ねじ:#4-40	
テストフィクスチャ 側コネクター	D-Sub 50 ピン レセプタクル 固定ねじ:M2.6	
製品保証期間	3年間	
付属品	取扱説明書	

## 各部の名称



## 接続方法

#### ⚠注意

機器の故障を避けるため、RM2611本体の電源を切っ ● てから、RM9005 接続ケーブルの着脱を行ってくださ い。

#### 重要

RM9005 接続ケーブルを取り付けるときは、コネクターに確実 に差し込んだ後、ねじを締めてください。ねじが緩んでいると、 接触不良による測定エラーの原因となります。

- 1 RM9004 テストフィクスチャをRM9003 プレスユ ニットに取り付ける
- 2 TFロックレバーを手前に引き、下へ回して手を離し ロックする
- 3 RM9005 接続ケーブルのメス側コネクターを、 RM9004 テストフィクスチャのコネクターに接続して ねじ留めする
- 4 RM9005 接続ケーブルのオス側コネクターを、 RM2611 電極抵抗計のコネクターに接続してねじ留め する
- 5 RM9005接続ケーブルを、固定用クランプで留める ケーブルに無理な力が加わらないようにします。



# **RM9005**

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## **CONNECTION CABLE**

#### **Instruction Manual**

July 2019 Revised edition 1 RM9005A960-01 19-07H

## HIOKI

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Europe only •EU declaration of cor •Contact in Europe:	nformity can be downloaded from our website. HIOKI EURPOPE GmbH Helfmann-Park 2, 65760 Eschborn, Germany	hioki@hioki.eu			

#### Warranty Certificate

Model	Serial number	Warranty period
		Three (3) years from date of purchase ( /)

Customer name:

stomer address

mportant Please retain this warranty certificate. Duplicates cannot be reiss

Complete the certificate with the model number, serial number, and date of purchase, along with your name and address. The personal information you provide on this form will only be used to provide repair service and informat about Hioki products and services

This document certifies that the product has been inspected and verified to conform to Hioki's standards Please contact the place of purchase in the event of a malfunction and provide this document, in which case Hioki will repair or replace the product subject to the warranty terms described below

#### Warranty terms

- The product is guaranteed to operate properly during the warranty period (three [3] years from the date of purchase) If the date of purchase is unknown, the warranty period is defined as three (3) years from the date (month and year) of manufacture (as indicated by the first four digits of the serial number in YYMM format).
- 2. If the product came with an AC adapter, the adapter is warrantied for one (1) year from the date of purchase. 3. The accuracy of measured values and other data generated by the product is guaranteed as described in the product specifications 4. In the event that the product or AC adapter malfunctions during its respective warranty period due to a defect o
- In the event und use product of AC adapter manufactors during its respective warraftly period due to a defect of workmanship or materials. Holk will repair or replace the product or AC adapter free of charge.
  5. The following malfunctions and issues are not covered by the warranty and as such are not subject to free repair
- -1. Malfunctions or damage of consumables, parts with a defined service life, etc.
- -2. Malfunctions or damage of connectors, cables, etc.
   -3. Malfunctions or damage caused by shipment, dropping, relocation, etc., after purchase of the product
- -4. Malfunctions or damage caused by inappropriate handling that violates information found in the instruction on precautionary labeling on the product itself
- -5. Malfunctions or damage caused by a failure to perform maintenance or inspections as required by law or recommended in the instruction manual
   -6. Malfunctions or damage caused by fire, storms or flooding, earthquakes, lightning, power anomalies
- (involving voltage, frequency, etc.), war or unrest, contamination with radiation, or other acts of God
- 7. Damage that is limited to the product's appearance (cosmetic blemishes, deformation of endosure shape fading of color, etc.)

-8. Other malfunctions or damage for which Hioki is not responsible

- The warranty will be considered invalidated in the following circumstances, in which case Hioki will be unable to perform
- If the product has been repaired or modified by a company, entity, or individual other than Hioki
   If the product has been repaired or modified by a company, entity, or individual other than Hioki
   If the product has been embedded in another piece of equipment for use in a special application (aerospace, nuclear power, medical use, vehicle control, etc.) without Hioki's having received prior notice
- If you experies have a loss caused by use of the product and histor having reactions prior material for the underlying issue Hioki will provide compensation in an amount not to exceed the purchase price, with the following exceptions:
- -1. Secondary damage arising from damage to a measured device or component that was caused by use of the produ -2. Damage arising from measurement results provided by the product
- -3. Damage to a device other than the product that was susta ned when co
- (including via network connections) Hioki reserves the right to decline to perform repair, calibration, or other service for products for which a certain amour of time has passed since their manufacture, products whose parts have been discontinued, and products that cannot be repaired due to unforeseen circumstances.

HIOKI E.E. CORPORATION 18-07 EN-3 http://www.hioki.com

#### Introduction

Thank you for choosing the Hioki RM9005 Connection Cable. Preserve this manual carefully and keep it handy to make full use of this device for a long time.

Familiarize yourself with the RM2610 Electrode Resistance Measurement System Instruction Manual and the separate document entitled "Operating Precautions" before using the device.

#### Target audience

This manual has been written for use by individuals who use the product in guestion or who teach others to do so. It is assumed that the reader possesses basic electrical knowledge (equivalent to that of someone who graduated from the electrical program at a technical high school).

#### Safety notations

This manual classifies seriousness of risks and hazard levels as described below.



#### Inspection

Check if there is any damage to the device occurred during storage or shipping and verify that device operates normally before using it.

#### Troubleshooting

If damage is suspected, read the "Before having your product repaired" section of the RM2610 Electrode Resistance Measurement System Instruction Manual before contacting your authorized Hioki distributor or reseller.

#### Precautions when transporting the device

Be sure to follow these precautions.

To avoid damage to the device, remove the RM2611 Electrode Resistance Meter and RM9004 Test Fixture from the device.

Additionally, use the packaging in which the device was packed when you purchased it, and be sure to doublebox it. Hioki cannot guarantee that the device will not be damaged during transport.

#### Cleaning

To clean the device, wipe it gently with a soft cloth moistened with water or mild detergent. Exercise care not to get the area near the connector pins wet.

## **Overview**

RM9005 Connection Cable is a cable that connects RM2611 Electrode Resistance Meter and RM9004 Test Fixture. The RM2611 is the male side and RM9004 is the female side.

## **Specifications**

Operating environment	Indoors, Pollution Degree 2, altitude up to 2000 m (6562 ft.)
Operating temperature and humidity	0°C to 40°C (32°F to 104°F), 80% RH or less (no condensation)
Storage temperature and humidity	0°C to 50°C (32°F to 122°F), 80% RH or less (no condensation)
Length	Approx. 970 mm (38.19")
Mass	Approx. 450 g (15.9 oz.)
Connector of RM2611 side	D-Sub 50-pin plug Set screws: #4-40
Connector of test fixture side	D-Sub 50-pin receptacle Set screws: M2.6
Product warranty period	3 years
Accessory	Instruction manual

### **Part Names**



## **Connection Method**

#### **CAUTION**

To avoid equipment damage, turn off the RM2611 Electrode Resistance Meter before connecting or disconnecting the RM9005 Connection Cable.

#### IMPORTANT

When connecting the RM9005 Connection Cable, insert the cable into the connector firmly and tighten it in place with screws. If the screws loosen, the resulting poor contact could cause a measurement error.

- 1 Mount the RM9004 Test Fixture on the RM9003 Press Unit.
- 2 Pull the test fixture lock lever toward you and downward and then let go to lock.
- 3 Connect the female side connector of the RM9005 Connection Cable to the connector on the RM9004 Test Fixture and tighten the screws that hold it in place.
- 4 Connect the male side connector of the RM9005 Connection Cable to the connector on the RM2611 **Electrode Resistance Meter and tighten the screws** that hold it in place.
- 5 Secure the RM9005 Connection Cable in place with the cable clamp.

Do not subject the cable to excessive force.

