

This sheet provides information on the presence of specific materials and components, as required to facilitate end-of-life treatment in compliance with the Waste Electrical and Electronic Equipment (WEEE) Directive.

When your HIOKI product is end-of-life, please ensure you deliver the product for recycling to the WEEE collection system in your country.

**Producer:** HIOKI E.E. CORPORATION

**product category / type of equipment ( Annex IA and 1B of WEEE Directive) :**

1A : 9. Monitoring and control instruments

1B : Other monitoring and control instruments used in industrial installations

Information for treatment facilities		
Company Name	HIOKI	
Products Name	INSULATION TESTER	
Product Number	IR4051-10,IR4051-11	
Components or Material [ EICTA, CECEd, and EERA Joint Position Guidance September 26, 2005 ]	Present	Location No
Battery(internal*)containing Mercury(Hg)/NiCad/Lithium/Other	YES	1
Backlighting Lamps of LCD/TFT or similar screens containing Mercury(Hg)	No	-
Mercury(Hg) in other applications**	No	-
Cadmium**	No	-
Gas discharge Lamps	No	-
Plastic containing brominated flame retardants other than in Printed Circuit Assemblies***	Y	2
Liquid Crystal Displays with surface greater than 100cm <sup>2</sup>	No	-
Capacitors with PCB's	No	-
Capacitors with substances of concern****+height>25mm,diameter>25mm or proportionately similar volume	No	-
Asbestos	No	-
Refractory ceramic fibers	No	-
Radio-active substances	No	-
Beryllium Oxide	No	-
Other forms of Beryllium	No	-
Gasses-which fall under Regulation(EC)2037/2000 and all hydrocarbons(HC)	No	-
Components with pressurized gas which need special attention Pressure>1.5bar*****	No	-
Liquids ***** if volume>10cl ( or equivalence in weight,e.g. for PCB,oil...)	No	-
Mechanical components that store mechanical energy(i.e. springs) or equivalent parts which need special attention***** (diameter>10mm and height>25mm or proportionally similar volume and expanding)	No	-

Location Information

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Insulation Resistance Ranges

Water Column Voltage	50V	100V	250V	500V	1000V
Minimum Resistance	100	250	500	1000	4000
Maximum Resistance	1000	2500	5000	10000	40000

Measuring Range (MΩ): 0.100 to 2.000, 2.000 to 20000.0, 40000

1st Effective Measuring Range (MΩ): 0.1 to 0.20, 0.2 to 0.2000, 2.000 to 2.0000, 20000.0

Accuracy: ±2.5% r.r.g.

Rated Current: 1mA

Operating Uncertainty (Nominal Range): 1st Effective Measuring Range

Resistance Ranges (Nominal System Voltage: 600V max)

Measuring Range	0-1000Ω
Open-Circuit Voltage	6.0V-9.0V
Operating Current	DC 200mA, AC 100mA (up to 20)
Operating Uncertainty (Nominal Range)	±0.3-2.0%

**警告 WARNING**  
 感電を避けるため、電池を交換する時はテストリードを被測定物から外し、ファンクションスイッチをOFFしてください。  
 To avoid electric shock when replacing the batteries, please disconnect the test leads from the object to be measured first, then turn off the function selector.  
 为避免更换电池时触电，请先将测试线从被测量物体上断开，并且关闭功能选择器。  
**RATING**  
 BATTERY: 1.5V x 4 3VA LRS x 4