





Model 8210

Model 8032

KYORITSU

Durable Holdall &

Accessory pouch







7098 Distribution board test leads(1 set) for Loop/PSC/RCD testing 7099 Moulded plug test leads(1 set)

for Loop and RCD testing at sockets 7025 Lead for insulation and continuity testing

7109 Earth resistance test leads(1 set) KSLP5 external earth probe 8032 auxiliary earth spikes

8210 IrDA Adaptor Durable Holdall

Battery 8 x 1.5V R6 or LR

Instruction Manual

The top of the range KEW6015 can perform TEN separate test functions and provides all the test functions generally required to verify the safety of electrical installations in full compliance with IEC61557.

The KEW6015 can store test results in its on-board memory for later downloading to a computer or printer. Data can be downloaded via the Infra Red Communication Port(IRDA Port).

The KEW6015 is software driven and guides the user through the test unctions required making

the instrument very easy to use. It's numerous features include the ability to conduct 3 or 4 wire earth

prevent tripping of most passive type RCD's when loop testing and mains voltage and frequency measurement.

Live circuit and wiring

connection check LED's

On-board memory to store

D-Lok technology on loop test range

**Features** 

test results

Auto power off

resistance tests, D-Lok technology to

RCD x 1/2 x 1 · x DC: 1000ms

Safety Standard IEC 61010-1 CAT. 300V Pollution degree 2

Withstand Voltage 3700V AC for one minute Power Source 8 x 1.5V R6P

Downloading of data via IRDA port Weight 980g approx including batteries

Back lit display Polarity switch Continuity Auto-null

Auto ramp and auto test on RCD ranges

Designed to IP54 Rating Complies with IEC61557



**Continuity Tester Insulation Tester** 

**Loop Impedance Tester** 

**RCD Tester** 

PSC Tester

**Fault Current Tester** 

**Earth Resistance Tester** Phase Rotation Tester

Mains Frequency Measuremen

**Mains Voltage Measurement** 



# Rated Voltage 230V + 10% 15% (20/200/2000

Measuring Ranges 400V + 10% 15% (200/2000 20/200 Autoranging Voltage Measuring Range 100-260V 100-440V (200/2000 .200A)

Open Circuit Voltage > 4V Short Circuit Current > 200mA DC Impedance Range 20/200/2000 Accracy ± (3%rda+3dat) Nominal Test Curren

15mA (200/2000 ) 3A (20 Base Accuracy 20 range ± (3%rdg+8dgt)200 range ± (3%rdg+8dgt Output Voltage on Open Circuit 570V DC ± 6% 2000 range ± (3%rdg+8dgt)

Rated Voltage 230V + 10% 15% (20/200/2000

400V + 10% 15% (200 A) PSC Ranges 200/2000A/20kA Accuracy

PSC accuracy derived from measured loop impedance RCD Testing

Rated Voltage 230V + 10% 15% Trip Current Settings RCD x 1/2 : 10,30,100,300,500,1000mA

RCD x1 : 10.30.100.300.500.1000mA RCD x5 : 10,30,100mA RCD x DC : 10.30.100.300.500mA

RCD x Ramp: 10.30.100.300.500mA Trip Current Duration

RCD x 5,DC (500 and x 1 1000mA):200ms

Pollution degree 2 Withstand Voltage 3700V AC for one minute Dimensions 186(L) x 167(W) x 89(D)mm

8205 KEW Demonstration Kit

Power Source 8 x 1 5V R6P Dimensions 175(L) x 115(W) x 86(D)mm Weight 780g approx including batteries

Measuring Ranges

20/200M Autoranging

Test Voltage 500V DC

Rated Current > 1mA

Accuracy ± (3%rdg+3dgt)

Rated Voltage 230V AC ± 10%@ 50Hz

Voltage Measuring Range 100-250V @ 50Hz

range) 15mA (2000 range)

Accuracy

20 range ± (3%rdg+8dgt)2000 range ± (3%rdg+8dg

**RCD Testin** 

Rated Voltage 230V AC ± 10%@ 50Hz

Trip Current Settings

RCD x 1/2:5,15,50,150,250mA

RCD x 1 : 10.30.100.300.500mA

Trip Current Duration RCD x 1/2 x 1: 2000ms

RCD fast :40ms

Accuracy

Trip Current ± 3% of test current at 230V

Trip time ± (3%rdg+3dgt)

Safety Standard IEC 61010-1 CAT. 300V

RCD fast : 150mA

Impedance Ranges 20/2000



Safety Warnings

CE Marking:signifies conformance to **EMC** directive (89/336/EEC, 92/31/EEC, 93/68/EEC) and Low Voltage directive (73/23/EEC, 93/68/EEC)

Please read the "Safety Warnings" in the instruction manual supplied with the instrument thoroughly and

Failure to follow the safety rules can cause fire, trouble, electrical shock, etc. Therefore, make sure to operate

the instrument on a correct power supply and voltage rating marked on each instrument.



20/200/2000 Autoranging Open Circuit Voltage > 6V Short Circuit Current > 200mA DC

Accuracy ± (1.5%rdg+3dgt) Measuring Ranges

20/200M Autoranging Test Voltages 250V.500V and 1000V DC Output Voltage on Open Circuit 250V+40%-0% 500V+30%-0% 1000V+20%-0% Rated Current > 1mA

Accuracy ± (1.5%rdg+3dgt)

Rated Voltage 230V AC + 10% 15%@ 50Hz Voltage Measuring Range 100-250V AC @ 50Hz Impedance Ranges 20/200/2000

Nominal Test Current 3A(20 range),15mA(200 range),15mA(2000 range) Accuracy range ± (3%rdg+4dgt) 200 range ± (3%rdg+8dgt

2000 range ± (3%rdg+4dgt) Rated Voltage 230V AC + 10% 15%@50Hz

PSC Ranges 200A,2000A and 20kA Accuracy PSC accuracy derived from measured loop impedance

specification and measured voltage specification RCD Testing

Rated Voltage 230V AC + 10% 15%@ 50Hz Trip Current Settings

RCD x 1/2: 10,30,100,300,500,1000mA RCD x1 : 10,30,100,300,500,1000mA RCD x5 : 10,30,100,300mA

(on x 5 range max current 1A) Trip Current Duration RCD x 1/2 x 1 · 2000ms RCD fast : 50ms Accuracy

Trip current + 10%-0% of test current at 230V Trip time ± (1%rda+3dat)

Safety Standard IEC 61010-1 CAT. 300V

KEW Demonstration Kit is also

available from Kyoritsu to help

customers with sales promotion and

user training. This single unit can be

used to give a demonstration of how

to use the Insulation/Continuity, Loop

and RCD(ELCB) testers. For more

datails contact the overseas sales

department of KYORITSU.

Pollution degree 2 Withstand Voltage 3700V AC for one minute Power Source 8 x 1.5V R6P

Dimensions 130(L) x 183(W) x 100(D)mm Weight 1000g approx including batteries

Output Voltage 70V peak to peak square wave Frequency 720Hz ± 5% Accuracy

Pollution degree 2 Power Source 8 x 1.5V R6 or LR6

The contents of this catalogue may be subject to change without notice



20/200/2000 Autoranging Open Circuit Voltage > 6V Short Circuit Current > 200mA DC

Accuracy ± (1.5%rdg+3dgt)

Measuring Ranges 20/200/2000M Autoranging Test Voltages 250V.500Vand 1000V DC

Output Voltage on Open Circuit 250V+20%-0% 500V+20%-0% 1000V+20%-0% Accuracy 0~100M ± (2%rdg + 3dgt)

100M ~ 2000M ± (2%rdg + 4dgt)

Rated Voltage:230VAC ± 10%@ 50Hz oltage Measuring Range 100-250V AC @ 50Hz Impedance Range 20/200/2000

Nominal Test Current 5A(20 range) 1.2A(200 range) 1.2A(2000 range) Test Period 1/2 cycle(10ms)

Base Accuracy 20 range ± (3%rdg+5dgt)

Rated Voltage 230VAC ± 10%@ 50Hz PSC Range 2000A and 20kA

Accuracy PSC accuracy derived from measured loop impedance

specification and measured voltage specification Rated Voltage 230VAC ± 10%@ 50Hz

Trip Current Settings RCD x 1/2:10,30,100,300,500mA RCD x 1 : 10,30,100,300,500mA RCD x 5 : 10.30.100.300.500mA

Trip Current Duration RCD x 1/2 x 1:2000ms RCD x 5:200ms fast trip 50ms

Accuracy Trip current + 10%-0% of test current at 230V Trip time ± (2%rdq+3dqt)

Rated Voltage 230V AC ± 10% @ 50Hz

Fault Current Ranges 2000A and 20kA Nominal Test Current 1.2A (2000A) 25A (20kA) Fault Current Accuracy

ault Current accuracy derived from measured loop impedance specification and measured voltage specification

Ranges 20 200 2000

20 (± 2%rdg + 5dgt) 200/2000 (± 2%rdg + 3dgt)

Safety Standard IEC 61010-1 CAT. 300V

Withstand Voltage 3700V AC for one minute Dimensions  $105(L) \times 210(W) \times 240(D)mm$ Weight 1924g approx including batteries

6050

reliability is our tradition.







3 3asic, Medium & Sophisticated MFT series. et with the needs of convenient and fast on works.

o-ranking MFT's with the latest s and regulations.

**ELECTRICAL INSTRUMENTS WORKS, LTD.** 



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# 6050

KEW COMBITESTER MODEL 6050 is New Low Cost 3 in 1 MFT with Memory and Download Results to PC!

## Features

Kew CombiTester provides the ultimate in Microprocessor technology offering Loop and RCD tests with a comprehensive memory and downloading test results. LOOP Impedance 200/2000 Ohm range measurement is carried out using a test current of 15mA. This current will not trip RCD's rated at 30mA or greater. High resolution for low Loop Impedance (resolution of 0.01 Ohm) on 20 ohm range. Direct reading of Prospective Short Circuit Current (PSC) and earth fault current. RCD tests at 0 and 180 degree

phase angle switch permits quick tests and consistent readings. Test of a large kind of RCD's. Standard, Selective, AC and A (DC sensitive breakers) Constant current source circuitry ensures that a fluctuating mains voltage does not affect the accuracy of readings.

RCD Ramp test in order to indicate the actual tripping current of RCD. Contact Voltage Reading (UC). with two selectable contact voltage limits (50 and 25v).

Visual indication of correct wiring status and automatic lock-out if test resistors overheats.

Designed to IEC 61010-1, IEC61557 and high protection degree IP54.

## Optional Accessory Model 7121(Distribution board test leads)

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Accessories

Moulded plug test leads

Model 7123(AU)Australian plug

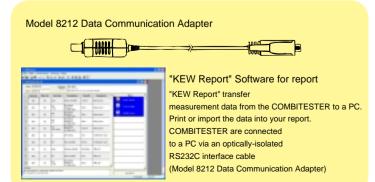
Model 7124(UK)British plug(13A)

Model 7126(SA)South African plug

Model 7125(EU)European SHUKO plug

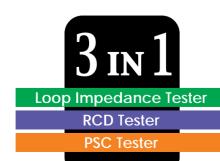


IEC 61010-1 CAT. 300V



## Moulded plug test leads(1 set) for Loop and RCD testing at socket Pouch for Test Leads Shoulder Strap Battery 8 x 1.5V R6P Instruction Manual

7121 Distribution board test leads(1 set) 8212 Data Communication Adapter (including Software "Kew Report"





( E IEC 61010-1 CAT. 300V

KAMP10 Moulded plug test leads(1 set) for Loop and RCD testing at sockets

7025 Lead for insulation and continuity testing Pouch for Test Leads Shoulder Strap, Shoulder Pad

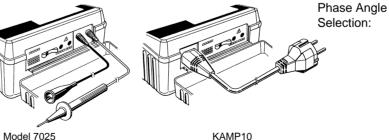
Battery 8 x 1.5V R6P Instruction Manual

OMA DIEC Distribution board or lighting circu

test leads(1 set) for LOOP and RCD testing

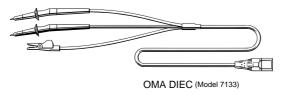
# Accessories

Continuity and Insulation Testing LOOP and RCD Testing



(Test Leads with IEC Connector)

# Optional Accessory



The Model 6010A is an advanced multifunction tester that can perform all the testing required by IEC 364-6-61 with a single instrument. It can be used to test insulation resistance, continuity, loop impedance and RCDs(ELCBs), four major test requirement in the electrical testing industry. This four-in-one instrument eliminates the need to carry individual single function testers. Model 6010A is designed to IEC61010-1 and available with CE marking for EMC compliance.

### Features

## Continuity and Insulation Testing

Live circuit warning LED:

Auto Discharge:

Immediate illumination of a warning lamp if the circuit under test is live Allows fast and safe discharge

of electrical energy stored in capacitive circuits following

Integral overload protection on internal continuity and insulation test circuitry

testina

Autoranging

500V DC test voltage for insulation tests 200 mA short circuit current on continuity ranges

# Loop and RCD Testing

Wiring connection check LED's:

Immediate indication if wiring of circuit under test is correct Overheat Protection: Rapid detection of overheating of internal circuitry, display of

warning signal to user and automatic halting of measurement

Supply Voltage Indication: Low Current Loop Impedance Test:

Auto Data Hold:

in loop impedance mode Short duration low test current will prevent tripping of many passive RCDs

Retains displayed reading for set

period following test Selection of test current from +ve or -ve half cycle of waveform can prevent tripping of polarised type RCDs

Can display supply voltage value



**Continuity Tester** 

**Insulation Tester** 

**Loop Impedance Tester RCD Tester** 



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Com

It features a triple voltage insulation test at 250V,500V and 1000V and can measure mains voltage when operating in the loop impedance and RCD testing functions. Additional features include a phase angle selector switch for RCD testing. a polarity switch for switching polarity during continuity and insulation tests and a continuity null to facilitate automatic subtraction of test lead resistance from continuity measurements

The Model 6011A can perform FIVE

and RCD trip testing in full compliance

separate test functions: insulation.

continuity, earth loop impedance,

prospective short circuit current

with IEC61557.

Features Live circuit and wiring connection check LED's Triple range insulation tests at 250.500 and 1000V Triple range loop and PSC tests 15mA tests current at 200 /2000 range (No RCD Trip)

Phase angle selection on RCD range

Polarity switch for continuity tests Auto-null facility for continuity tests DC test for DC sensitive RCDs

Earth probe for loop impedance testing on extraneous metalwork

# KAMP10 Moulded plug test leads(1 set)

for Loop and RCD testing at sockets 7122 Lead for insulation and continuity testing KSLP5 external earth probe

Pouch for Test Leads Shoulder Strap Battery 8 x 1.5V LR6

OMA DIEC Distribution board or lighting circuit test\_leads(1 set) for LOOP/PSC/RCD testing



**RCD Tester** 

**PSC** Tester

