Quality and reliability is our tradition

KYORITSU

DIGITAL INSULATION/CONTINUITY TESTER
KEW 3551 / 3552 / 3552BT

6 ranges Insulation resistance testers Fully protected against accidental connection to live circuit!



Insulation status indicator enables faster Pass / Fail judgement



Easy to identify low or high resistance by LCD backlight color.
Possible to set different reference values for each insulation resistance respectively.
(3552 / 3552BT)

- ***World's fastest class measurement speed (0.5 sec.)***
- ***6 ranges available for insulation resistance test (50/100/125/250/500/1000 V)***
- ***Insulation measurement up to 40GΩ***
- ***Diagnostic Insulation Test : PI, DAR***

Standard model	KEW 3551
With memory function	KEW 3552
With memory and Bluetooth® communication function	KEW 3552BT

KEW CONNECT

Using our Application the measurements can be taken and automatically saved, reducing the necessity to take notes in the field. (3552BT only)



*Please contact us with inquiries about the purchase of 3552BT.

KYORITSU ELECTRICAL INSTRUMENTS WORKS, LTD.
www.kew-ltd.co.jp

LED light & Display backlight

Facilitate working at dimly illuminated location.
Illuminance sensor turns the LCD back-light and LED spot light ON/OFF.



Memory/data transfer function
(available on KEW3552/3552BT)

Internal memory up to 1000 measure-ments can be transferred to a PC by the optional adapter 8212-USB.

Bluetooth® communication
(KEW 3552BT)

Transfer measured data directly to the compatible tablet or Smart phone devices.
Save time – easy to create reports.



Available on download site for free.

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Diagnostic Insulation Tests





PI Polarization Index

$$PI = \frac{\text{Insulation resistance value 10 min. after start}}{\text{Insulation resistance value 1 min. after start}}$$

PI	4.0 or more	4.0 to 2.0	2.0 to 1.0	1.0 or less
Criteria	Best	Good	Warning	Bad

DAR Dielectric Absorption Ratio

$$DAR = \frac{\text{Insulation resistance value 1 min. after start}}{\text{Insulation resistance value 15 sec. after start}}$$

DAR	1.4 or more	1.25 to 1.0	1.0 or less
Criteria	Best	Good	Bad



Provide maximum versatility with the following functions.

- Insulation resistance measurement (6 ranges)
- AC/DC voltage measurement
- Continuity test @200mA, Low-resistance



The right model to meet your needs

Model	6 ranges insulation resistance	Memory	PC communi-cation	Bluetooth®
KEW 3551	●			
KEW 3552	●	●	●	
KEW 3552BT	●	●	●	●

KEW 3551 / 3552 / 3552BT Specification

Insulation resistance						
Test voltage	50V	100V	125V	250V	500V	1000V
Measuring range (Auto-ranging)	4.000/40.00/ 100.0MΩ	4.000/40.00/ 200.0MΩ	4.000/40.00/ 250.0MΩ	4.000/40.00/ 400.0/500.0MΩ	4.000/40.00/ 400.0/2000MΩ /20GΩ*1	4.000/40.00/ 400.0/4000MΩ /40GΩ*1
Mid-scale value	2MΩ	5MΩ		10MΩ	100MΩ	200MΩ
First effective measuring range	0.100 to 10.00MΩ	0.100 to 20.00MΩ	0.100 to 25.00MΩ	0.100 to 50.0MΩ	0.100 to 500MΩ	0.100 to 1000MΩ
Accuracy	±2%rdg±2dgt					
Second effective measuring range	0.050 to 0.099MΩ					
	10.01 to 100.0MΩ	20.01 to 200.0MΩ	25.01 to 250.0MΩ	50.1 to 500MΩ	501 to 2000MΩ	1001 to 4000MΩ
Accuracy	±5%rdg					
Rated current	1.0 to 1.1mA					
	@0.05MΩ	@0.1MΩ	@0.125MΩ	@0.25MΩ	@0.5MΩ	@1MΩ
Output short circuit current	1.5mA max					
Ω/Continuity*3						
Resistance range	40.00/400.0/4000Ω					
Accuracy	±2.5%rdg±8dgt					
Open-circuit voltage	5V(4 to 6.9V)					
Measuring current	200mA or more					
Voltage						
Range	AC 2.0 to 600V(45 to 65Hz)DC -2.0 to -600V +2.0 to +600V					
Accuracy	±1%rdg±4dgt					
General						
Applicable standards	IEC 61010 CAT Ⅲ 600V / CAT Ⅳ 300V IEC 61010-2-034, IEC 61557-1,2,4, IEC 61326-1,2-2, IEC 60529(IP40)					
Communication interface	USB*1, Bluetooth® *2					
Dimension / Weight	97(L)x156(W)x46(D)mm / Approx. 490g(including battery)					
Power source	LR6/R6(AA)(1.5V) x 4					
Accessories	7260(Test lead with remote control switch), 7261A(Test lead with alligator clip), 8017A(Extension prod long), 9173(Carrying case), 9121(Shoulder strap), LR6(AA)x4, Instruction manual					
Optional accessories	7243A(L-shaped probe), 8016(Hook type prod), 8212-USB(USB adapter with "KEW Report(Software)")*1, 9186A(Carrying case), 9187(Cord case)					

*1 3552/3552BT only *2 3552BT only, Bluetooth® is a trademark or registered trademark of Bluetooth SIG, Inc.
*3 Low-resistance range is protected by a built-in fuse (0.5 A/ 1000 V, Dia. 6.3 x 32 mm)

Accessories



7260
Test lead with remote control switch



7261A
Test lead with alligator clip



9173
Carrying case



9121
Shoulder strap

8017A
Extension prod long

Optional Accessories



7243A
L-shaped probe (1,650mm)



8016
Hook type prod



8212-USB
USB adapter with"KEW Report(Software)"



9186A
Carrying case



9187
Cord case

Safety Warnings :

Please read the "Safety Warnings" in the instruction manual supplied with the instrument thoroughly and completely for correct use. 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.

For inquiries or orders :

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