

DIGITAL INSULATION/CONTINUITY TESTERS KEW 3021A/3022A/3023A

One-second High-speed Result Display



Photo: KEW 3021A



Test lead 7103A with remote control switch (as standard)



KEW 3021A 125/250/500/1000V

KEW 3022A 50/100/250/500V

KEW 3023A 100/250/500/1000V

- **3 functions in one unit, insulation test with 4 voltage ranges, continuity test, AC voltage measurement.**
- **With 2.5 times faster testing speed than the preceding models!**
- **200mA measuring current on continuity testing.**
- **Comparator function with PASS / FAIL and buzzer.**
- **0Ω adjustment at continuity measuring range.**
- **Memory function up to 99 data.**
- **Backlight LCD provides easy reading in dark locations.**
- **Safety lock system prevents an erroneous operation on 500 and 1000 Volt ranges.**

● KEW 3021A/3022A/3023A Specifications

	3021A				3022A				3023A			
Insulation resistance												
Test voltage	125V	250V	500V	1000V	50V	100V	250V	500V	100V	250V	500V	1000V
Measuring range (Auto range)	4.000/40.00/200.0MΩ				4.000/40.00/200.0MΩ				4.000/40.00/200.0MΩ			
First Effective Measuring range	0.2 - 20MΩ	0.2 - 40MΩ	0.2 - 200MΩ	0.2 - 1000MΩ	0.2 - 20MΩ	0.2 - 40MΩ	0.2 - 200MΩ	0.2 - 200MΩ	0.2 - 20MΩ	0.2 - 40MΩ	0.2 - 200MΩ	0.2 - 1000MΩ
Mid-scale value	5MΩ				5MΩ				5MΩ			
Accuracy	±2%rdg±6dgt				±2%rdg±6dgt				±2%rdg±6dgt			
Second effective measuring range	0.110 - 0.199MΩ											
	20.01 - 200.0MΩ	40.01 - 2000MΩ	200.1 - 2000MΩ	1001 - 2000MΩ	20.01 - 200.0MΩ	40.1 - 2000MΩ	200.1 - 2000MΩ	20.01 - 200.0MΩ	40.01 - 2000MΩ	200.1 - 2000MΩ	1001 - 2000MΩ	
Accuracy	±5%rdg±6dgt				±5%rdg±6dgt				±5%rdg±6dgt			
Rated current	DC1.0 - 1.2mA											
Short circuit current	DC1.5mA MAX											
Ω/Continuity												
Auto range	40.00/400.0 Ω											
Accuracy	±2%rdg±8dgt											
Output Voltage on open circuit	5V±20%											
Short circuit current	DC220±20mA											
Fuse	Quick acting ceramic fuse 0.5A/600V (φ6.35 × 32mm)											
Voltage measurement												
Range	AC 20-600V(50/60Hz) DC ±20-600V											
Accuracy	±3%rdg±6dgt											
Other function	• Data hold • Live circuit warning	• Zero Ω ADJ. • Auto power off	• Auto discharge • Battery alarm	• Bar graph display • Backlight	• Memory • Safety lock	• Comparator • Remote measurement						
General												
Safety standard	IEC 61010-1 CATⅢ 600V IEC61557-1,2,4 IEC61326-1、 IEC 60529 (IP40)											
Dimensions / Weight	105(L) × 158(W) × 70(D)mm / 600g approx. including batteries											
Power source	R6/LR6(AA)(1.5V) × 6											
Accessories	7150A (Test lead with remote control switch set), 8923 (Fuse 0.5A/600V), 9121 (Shoulder strap), R6 (AA) × 6, Instruction Manual											
Optional	7115 (Extension Probe), 8016 (Hook type prod), 9089 (Carrying case)											

Comparator Function

Select and set the standard resistance value in each measuring range, and compare it with readings. Notice the result of comparison by the **FAIL** or **PASS** sign on the display, and by buzzer sound in same time. Buzzer can be set either for **FAIL** or **PASS** at your choice.

When measured 1MΩ

Set the standard value at 10MΩ

When measured 100MΩ

Set the buzzer to be beeped for FAIL sign

FAIL sign with buzzer sound

PASS sign indicated

● Accessories 7150A[Test lead with remote control switch set]



● Optional



! 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.

**COSINUS Messtechnik - Ihr Partner für Messlösung
in allen elektrischen und physikalischen Anwendungen**

COSINUS Messtechnik GmbH

Rotwandweg 4

82024 Taufkirchen

Tel.: 089 / 66 55 94 - 0

Fax: 089 / 66 55 94 -30

office@cosinus.de
www.cosinus.de