

**NEW**



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**KYORITSU**

# 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.

KYORITSU ELECTRICAL INSTRUMENTS WORKS, LTD.

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## ● 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<br>• Live circuit warning   | • Zero Ω ADJ.<br>• Auto power off | • Auto discharge<br>• Battery alarm | • Bar graph display<br>• Backlight | • Memory<br>• Safety lock | • Comparator<br>• 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

When measured 1MΩ

When measured 100MΩ

**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.

■ For inquires or orders :

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