

# WK3210B / WK3210C

## Innovative Programmable Hi-Pot Tester

### Features

- 3 in 1 tester with AC, DC, IR functions
- Meet UL, CSA, TÜV , VDE, CE,... safety test requirements
- ARC Detection standard function
- 240x64 Dot Graphic LCM, CFL back light display
- Fast cut-off time : 0.4ms
- Each Memory offers 9 steps of different Test Parameters
- 100 sets of memory
- 2 Ports phase for WK3210B/ 8 Ports phase for WK3210C



**WK3210B**

### Specifications

| Model Name                        | WK3210B  | WK3210C       |
|-----------------------------------|--|---------------|
| Scan Test                         | 2 Ports phase  | 8 Ports phase |
| Withstanding Voltage Test         | AC/DC/IR   |               |
| Output Voltage                    | AC: 0 ~ 5,000V / DC: 0 ~ 6,000V. Digital setting (4 digits),<br>10V/ step, adjustable with < / > keys  |               |
| Voltage Regulation                | ≤1% + 5V   |               |
| Waveform&Frequency                | Sine Wave 50Hz / 60Hz selectable   |               |
| Voltmeter Accuracy                | 4 digits, ± 1 % of reading +5 digits   |               |
| Output Current                    | AC : 0.001mA ~ 15.00mA, DC: 0.001mA ~ 7.5mA  |               |
| Current Meter Accuracy            | 4 digits, ± (1.5% of reading + 5 digits)   |               |
| Arc Detection                     | 0.5mA ~ 15mA (DC 0.5 mA ~ 7.5 mA)  |               |
| Function                          | 0.01mA / Steps. (0.0 mA is OFF)  |               |
| Test Time                         | 0.5 ~ 999.9 Sec (±20 mS), 0.1sec / Steps. (0.0 sec is OFF)   |               |
| Ramp up Time                      | 0.1 ~ 999.9 Sec (±20 mS), 0.1sec / Steps. (0.0 sec is OFF)   |               |
| PASS/FAIL                         | Windows comparator system  |               |
| Judgement                         | HI-limit: 0.10 ~ 15.00mA, Digital setting (4 digits), 0.001mA / Steps<br>LO-limit: 0.05 ~ 7.50mA, Digital setting (4 digits), 0.001mA /(0.5 ~ 7.50mA), 0.01mA<br>Steps Arc Detection: 0.5mA ~ 15mA<br>/ Steps(LO-limit & Arc Detection setting 0.0mA is OFF) |               |
| Judgement                         | Accuracy ± (1% of setting + 50µA)  |               |
| <b>Insulation Resistance Test</b> |  |               |
| Measuring Voltage                 | DC: 100 ~ 1,000V, Digital setting, 10V/steps   |               |
| Voltmeter Accuracy                | 4 digits, ± 1 % of reading +5 digits   |               |
| Measuring Range                   | 1 ~ 9,999 MΩ   |               |
| Measuring Accuracy                | ≥500V: 1~1000MΩ, 5% of reading ≥500V: 1001~9999MΩ, 15% of reading<br><500V: 1~200MΩ, 10% of reading <500V: 201~9999MΩ, 15% of reading  |               |
| Judgement                         | 0.1 ~ 999.9 Sec ( 20 mS),  |               |
| Waiting time                      | 0.1sec / Steps. (0.0 sec is OFF)   |               |
| PASS/FAIL                         | Windows comparator system.   |               |
| Judgement                         | Both HI and LO limit values can be set with the measuring range.<br>Note: When the lower limit value is greater than 2000 MΩ,<br>a judgement waiting time of 1.0 second or more is necessary.  |               |
| Judgement Accuracy                | Same as measuring accuracy   |               |
| Test Time                         | 0.5 to 999.9 sec.(20ms ), 0.1sec/Steps.(0.0 sec is OFF)  |               |


**WK3210C**

## General

| Model Name                                | WK3210B   | WK3210C                     |
|---|---|-----------------------------|
| Test Modes                                |   |                             |
| Auto Test                                 | Up to 9 test steps with different test parameters   |                             |
| Single Test                               | Execution withstanding voltage test or insulation resistance test.  |                             |
| Auto Scanning                             | Linked with Scan Box, it performs Test auto test for objects having two or more points.   |                             |
| Output Power Source Protection Function   |   |                             |
| Fast Output Cut off                       | < 0.4ms   |                             |
| Panel Operation Lock                      | YES   |                             |
| Power On Data Rally                       | YES   |                             |
| Reset Protection Key                      | YES   |                             |
| Other Function                            |   |                             |
| Display                                   | 240x64 Dot Graphic LCM, CFL back light display  |                             |
| Signal Output                             | PASS, FAIL, and TEST with relay contact signal  |                             |
| Data Hold                                 | YES   |                             |
| Judgement Result Display                  | PASS/ FAIL and Alarm  |                             |
| Memory Storage                            | 01 to 99, 99 sets of memory, each set of memory includes 9 steps  |                             |
| Remote Control                            | 9 Pins D-type connector, TEST/RESET/RMT_ENABLE  |                             |
| Interlock Function                        | The test voltage cannot be generated unless the interlock input terminal is short-circuited   |                             |
| Ambient Temperature and Relative Humidity |   |                             |
| Specifications range                      | 5 to35°C (41 to 95°F), 20 to 80%RH  |                             |
| Operable range                            | 0 to40°C (32 to 104°F), 20 to 80%RH   |                             |
| Storage range                             | -20 to 70°C ( 4 to 158°F), 80%RH  |                             |
| Power Requirement                         |   |                             |
| Line Voltage                              | A: 90 ~ 110V B: 104 ~ 125V C: 194 ~ 236V D: 207 ~ 250V  |                             |
| Frequency                                 | 50 or 60 Hz   |                             |
| Power                                     | When no-load: < 70 VA,  |                             |
| Consumpt                                  | When with Rated Load: > 300 VA  |                             |
| Insulation Resistance                     | 30MΩ, with 500V DC  |                             |
| Withstanding Voltage                      | 1,000 VAC, for 1 minute   |                             |
| Dimension                                 | 365(W) x 105(H) x 350(D) mm,  | 365(W) x 165(H) x 350(D) mm |
| Weight                                    | 10kg  | 15kg                        |
| Accessories                               | Operation Manual, Power cord, 3P-2P AC adapter plug, High test lead wire / 1 meter long,2A Fuse / fast blow(in fuse holder), Certificate of calibration |                             |