

## KINGSINE KS908 RTU-Tester



- Built-in high precision AC/DC/Harmonic standard source output;
- User-friendly interface comes by the use of Windows CE operating system kernel;
- Functions available such as calibration of AC sampling, transducer, and energy meter; auto-compute on the calibration error and follow-up report creating; report template can be defined by the users;
- Mouse and keyboard built in panel or external connection available;
- USB port convenient for data transmissio;
- Can be used as a standard meter to monitor the information of electric quantity of AC transmission line (available in KS905, KS906);
- Workable without PC, and provides RS232 and RJ45 to support PC communications. And the communication protocol is open to the users to make auto testing solution if necessary;
- Can be run offline, while providing network RJ45 port and RS232 port and PC communication, communication protocol and opening up to the user and user-friendly program to test automatically;
- Compact size and portable carrying, convenient for on-site operation.

Technical Data of KS908

|                             |                           |
|-----------------------------|---------------------------|
| Voltage (AC) Output/Measure |                           |
| Shift                       | 100V/220/380V Auto switch |
| Adjusting range             | 0 ... 120%                |
| Min Adjusting Unit          | Shift x 0.01%             |
| Resolution                  | Shift x 0.01%             |
| Accuracy                    | 0.05%RG (RG abbr. range)  |
| Stability                   | 0.01%/1min                |
| Current (AC) Output/Measure |                           |
| Shift                       | 1A/5A/10AAuto switch      |
| Adjusting range             | 0 ... 120%                |
| Min Adjusting Unit          | Shift x 0.01%             |
| Resolution                  | Shift x 0.01%             |
| Accuracy                    | 0.05%RG                   |
| Stability                   | 0.01%/1min                |
| Power Output/Measure        |                           |
| Min Adjusting Unit          | Shift x 0.01%             |
| Resolution                  | Shift x 0.01%             |
| Accuracy                    | 0.05%RG (F>0.5)           |
| Stability                   | 0.01%/1min                |
| Frequency Output/Measure    |                           |
| Range                       | 45.000...65.000Hz         |
| Min Adjusting Unit          | 0.001Hz                   |
| Accuracy                    | 0.01%RD                   |
| Phase Output/Measure        |                           |
| Range                       | 0.00° ... 359.99°         |
| Min Adjusting Unit          | 0.01°                     |
| Resolution                  | 0.01°                     |
| Accuracy                    | 0.05°                     |
| Power factor Output/Measure |                           |
| Output range                | -1 ... 0 ... +1           |
| Min Adjusting Unit          | 0.0001                    |
| Accuracy                    | 0.0005                    |
| Harmonic Output/Measure     |                           |
| Set range                   | 2 ... 31 times            |

|                                       |  |
|---------------------------------------|--|
| Content                               | Voltage, Currents≤30%( compared with Fundamental Wave) |
| Harmonic output accuracy              | 0.1%(2 ... 19 times, compared with Fundamental Wave)   |
| Resolution                            | 0.2%(20 ... 31 times, compared with Fundamental Wave)  |
| Harmonic Phase                        | 0.00° ... 359.99°                                      |
| Output Voltage and Current distortion |  |
| <0.2%(non capacitance load)           |  |
| Max AC Output Load                    |  |
| Voltage 25VA, Current 25VA            |  |
| Voltage (DC) Output/Measure           |  |
| Shift                                 | 100mV/1V/10V/30V/100V/300V                             |
| Adjusting range                       | 0 ... 120%, 0 ... 110% at shift 750V                   |
| Min Adjusting Unit                    | Shift x 0.01%  |
| Resolution                            | Shift x 0.01%  |
| Accuracy                              | 0.05%RG  |
| Stability                             | 0.01%/1min   |
| Current (DC) Output/Measure           |  |
| Shift                                 | 1mA/10mA/20mA  |
| Adjusting range                       | 0 ... 120%   |
| Min Adjusting Unit                    | Shift x 0.01%  |
| Resolution                            | Shift x 0.01%  |
| Accuracy                              | 0.05%RG  |
| Stability                             | 0.01%/1min   |
| Max DC Output Load                    |  |
| Voltage 20VA, Current 25VA            |  |
| DC measure                            |  |
| Voltage measure range                 | ±10V   |
| Current measure range                 | ±20mA  |
| Accuracy                              | 0.01%RG  |
| Index measure reference condition     |  |
| Work temperature                      | 0°C ... 40°C   |
| Humidity range                        | ≤85 %  |
| Work power supply range               | 220VAC±15%, 50Hz                                       |
| Weight                                | 18KG   |
| Dimensions                            | 450(D)×180 (W)×380 (H) mm                              |
| Interface                             | RJ45, USB, PS/2, RS232                                 |

Major functions:

|                                  | KS901 | KS907 | KS908 |
|----------------------------------|-------|-------|-------|
| AC Standard Sources              | ●     | ●     | ●     |
| DC Standard Sources              | ●     | ●     | ●     |
| Power Standard Sources           | ●     | ●     | ●     |
| Harmonic Standard Sources        | ●     | ●     | ●     |
| Indicator Test                   | ●     | ○     | ●     |
| Transmitter Test                 | ●     | ●     | ●     |
| Energy Meter Test                | ●     | ●     | ●     |
| Rtu Test                         | ●     | ●     | ●     |
| Standard Meter                   | ○     | ○     | ●     |
| Synchronization test             |       | ●     | ●     |
| Tele-control, tele-communication |       | ●     | ●     |

Note: ● :With the corresponding function modules  
 ○ : Without the corresponding function modules