



# MULTI FUNCTION INSTALLATION TESTER KEW 6514BT

**Versatile tester supporting various electrical testing for check, maintenance and troubleshooting of electrical installations. The EVSE dedicated test function offers advanced diagnostic analysis when used with EVSE adapter. (EVSE: Electric Vehicle Supply Equipment)**



## Electrical tests

- Insulation
- Earth
- Continuity
- Motor rotation
- 2-Wire Loop
- RCD
- Phase rotation
- Frequency
- AC V
- SPD(Varistor)

## Tests dedicated for EVSE

- Waveform check of CP signal
- Latch Locking
- Programmable Auto test



# Offers various tests for electrical installation

## Loop 2-Wire

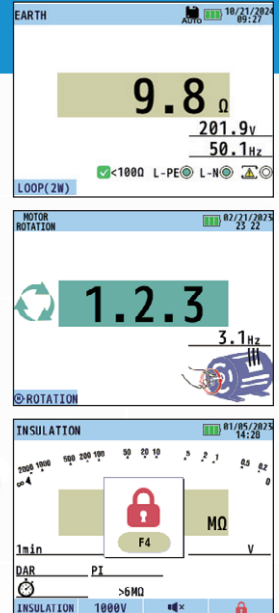
KEW 6514BT has an advanced measurement method called "Loop 2-Wire". It can carry out Loop impedance test by using 2 wires only, while using 3 wires is usually required. Its small test current of 7mA does not trip even the 15mA RCDs!

## Motor rotation check

Without power supply, the motor connection can be checked by electromotive force generated by spinning the three-phase motor axis (shaft) by hand or other means.

## Safety lock function for insulation resistance range

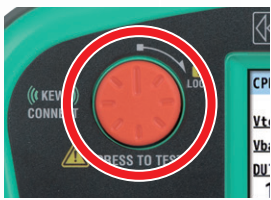
This safety function prevents the unintentional voltage presence for insulation resistance range. This safety function can be set on each range by our special application.



## Auto memory

Activating this function, KEW 6514BT automatic saves measured data at every test. Up to 1000 measured data can be saved in the internal memory.

Test can be carried out by pressing the test switch on KEW 6514BT or the switch on the remote test lead. Pressing and turning the test switch on the instrument, you can have continuous test operating.



### USB & Bluetooth®



PC

Measured data saved in the internal memory can be transferred to PC via USB adapter (8212-USB) or Bluetooth® and it is possible to manage the measured data and print complete test report.  
 \* 8212-USB is an optional accessory.  
 \* Please download the software from our website.



## Measurement Data Management app

"KEW Smart Advanced" application facilitates the check of any measured result on tablet or smartphone via Bluetooth®. User template (xlsx format) can be uploaded to the device and the measured values are automatically entered. Using this application, KEW 6514BT allows to activate or not each function and easily change the settings such as comparator value for each function.



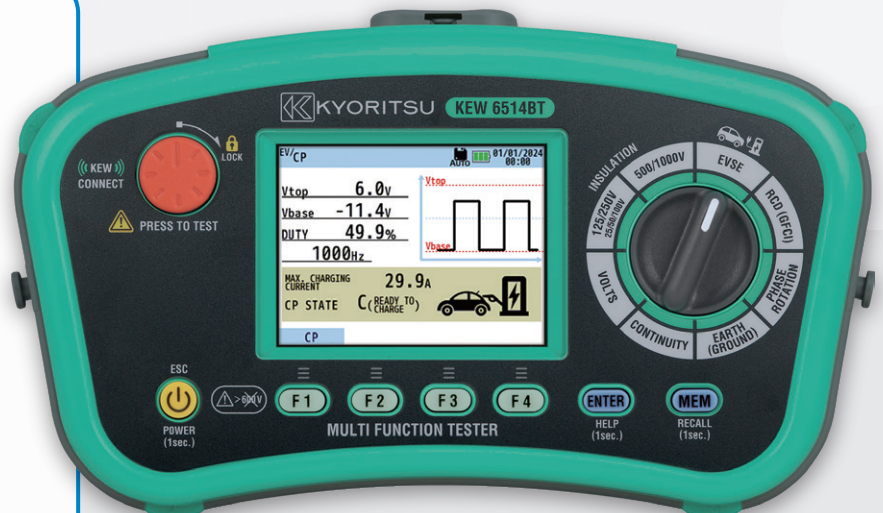
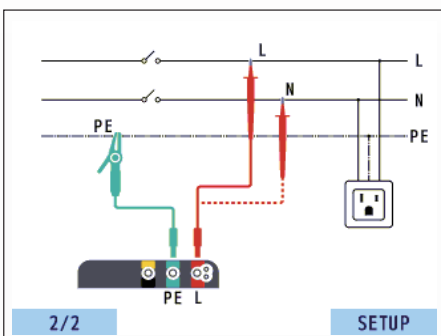
Bluetooth®

**KEW Smart Advanced**



## Color LCD Display

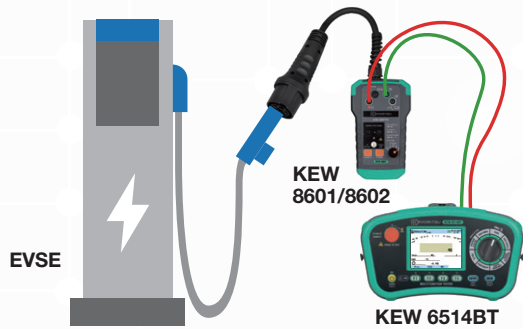
- All the test data is shown in one large colored screen.
- HELP function will show how to connect the instrument according to the function selected.



# Dedicated function for EVSE

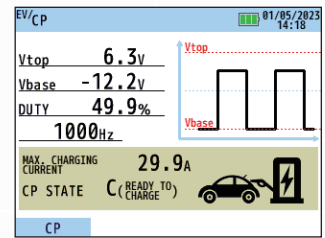


Offers advanced diagnostic analysis when used with optional EVSE ADAPTER



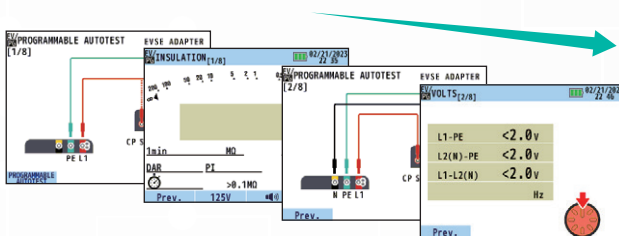
## CP signal analysis function

Connecting KEW 6514BT to the CP terminal of the EVSE ADAPTER, CP signal can be deeply analysed as using an oscilloscope. Also CP STATE and charge current are automatically calculated and shown on the instrument display.



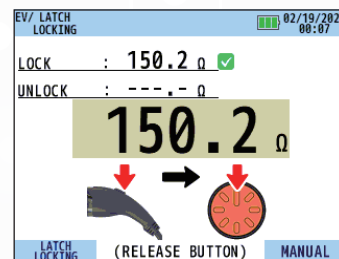
## Programmable Auto test

There is an EVSE dedicated function where you can carry out various tests. Combination and sequence of tests can be customized by using our special app. The instrument supports you showing how to make the connections on its screen prior to test and also gives a step-by-step guide to carry out all the necessary tests.



## Resistance measurement of latch switch circuit

Using KEW 6514BT in combination with EVSE ADAPTER KEW 8601, you can measure the circuit resistance and check if the latch switch of EVSE with type1 connector operates properly, with PASS or FAIL results.

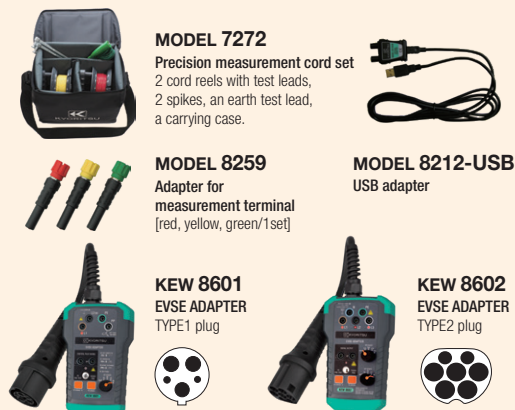


# KEW 6514BT comes complete with everything you need for testing an electrical installation

### Accessories



### Optional accessories



### MULTI FUNCTION TESTER Selection Guide

		KEW 6514BT	KEW 6516	KEW 6516BT
VOLT			600V	
Continuity			✓	
Earth			2-wire / 3-wire	
RCD	Function	x1/2, x1, Ramp	x1/2, x1, x5, Ramp, Auto, Uc	
	RCD type	AC(G)	AC/A/F/B(G/S)	
	Test current	15/30/50/100/200/500mA	10/30/100/300/500/1000mA /variable	
PSC/PFC		-	✓	
EVSE Test	RCD (Compatible with RCD for EVSE)	-	✓ (DC 6mA)	
	LOOP (Compatible with RCD for EVSE)	-	✓ (N-PE:4mA)	
	Checking CP signal	✓	-	
	Latch switch circuit resistance	✓	-	
	Programmable Autotest	✓	-	
Insulation resistance	Test Voltage	25/50/100/125/250/500/1000V	100/250/500/1000V	
	Loop Impedance	Loop ATT 2-wire	✓ (L-PE:7mA)	✓ (L-PE:15mA)
Loop ATT 3-wire		-	✓	
Loop HIGH		-	✓	
Phase rotation			✓	
Motor rotation check		✓	-	
Auto memory		✓	-	
Communication interface	USB		✓	
	Bluetooth®	✓	-	✓

