

S310B Remote Wireless Kilovoltmeter



FEATURES

Test range: AC 0-65KV
Resolution: 1V
3.5-inch true color LCD display
Wireless transmission distance: 30m
Insulating rod length: 3m



SPECIFICATIONS

Functions	Wireless high voltage measurement, voltage to ground measurement, voltage range, frequency, voltage test, electric field detection, etc
Power	Transmitter: DC 3.7V, 1000mAh rechargeable lithium battery
	Receiver: DC 7.4V, 3000mAh rechargeable lithium battery
Measure Method	Voltage Measurement: contact measurement, bare wire below 65kV can be hung on the line to measure
	Voltage Test (Inductance tester): non-contact method, bare wire above 65kV uses non-contact measurement
Transmission	433MHz wireless
Transmission Distance	Approx 100m
Display	3.5-inch true color LCD display
LCD Size	81mm×65mm; display area 67mm×53mm
Metal Hook	The metal hook can hang on cable/wire with an outer diameter smaller than 68mm
Measurement Range	Voltage measurement range: with grounding: 0~65kV; without grounding: 1kV to 65kV
	Voltage to ground: 0 to 65kV (line voltage = voltage to ground × 1.732)
	Voltage test range: 0V to 500kV (non-contact test if over 65kV)
	Frequency: 45.0Hz to 55.0Hz

Resolution	1V (100V to 2000V)
	0.01kV (2.00kV to 20.00kV)
	0.1kV (20.0kV to 110.0kV)
	0.1Hz
Voltage Accuracy	With grounding wire: $\pm 2\% \pm 5 \text{dgt}$ (0 to 65kV)
	Without grounding wire: $\pm 15\% \pm 5 \text{dgt}$ (1kV to 65kV)
Frequency Accuracy	$\pm 2 \text{Hz}$ (0.1kV to 65.0kV)
Induction Intensity	During high-voltage tests, based on the strength of the induced electric field, the transmitter will automatically adjust the 2KV, 20kV, and 65kV range, which is suitable for densely packed environments. The 2KV range is the default when the instrument is turned on, and the induction is the strongest
Sampling Rate	2 times/sec
Data Save	5000 sets
Insulation Rod Length	Retracted 0.6m, fully extended 4.2m
Earth Wire Length	7 meters
Dimension	Transmitter: 145mm×60mm×50mm, Receiver: 207mm×101mm×45mm
Line Voltage	Bare wires below 65kV can be directly contacted for testing; bare wires above 65kV must be tested with the non-contact method; it can also be directly hung on lines with intact insulation over 110kV for testing
Contact Method	When conducting the electrical test: the collector is connected to the metal probe hook or probe, and the metal probe hook or probe needs to be in contact with the bare wire to ensure the accuracy of the electrical test and voltage test
Sound Feedback	When the induction voltage or detected voltage is higher than 20V, the internal buzzer of the transmitter will emit a "beep -- beep -- beep --" sound to warn the user
Data Hold	While testing press HOLD to lock and save data, press the HOLD button again to cancel
View Data	To view data, press the $\uparrow \downarrow \leftarrow \rightarrow$ button to switch between saved data sets in the view data mode
Quit	Press the ESC button quit the current page and return to the menu
No-Signal	The instrument will display the "----" symbol when the receiver does not receive any signal
Automatic Shutdown	Transmitter/Receiver: Power off automatically after 15 minutes of idling to reduce battery consumption
Low Battery Warning	The battery icon shows the real-time power. When the battery voltage is too low, the low battery icon will be displayed to remind charging

Weight	Collector: approx. 180g (with battery)
	Receiver: approx. 450g (with battery)
	Total weight: approx. 5.64kg (with battery and insulation rod)
Ideal Working Conditions	-10°C to 40°C; below 80%RH
Ideal Storage Conditions	-10°C to 60°C; below 70%RH
Wireless Interference	No 433MHz same frequency signal interference
Insulation Strength	Insulation Rod: AC 220kv/RMS(Stretched At Both Ends), Transmitter: 2000V/RMS(between the front and back end of the housing) Receiver: 2000V/RMS (between the front and back end of the housing)



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