S320A High Voltage PSI

FEATURES

1V-550kV Phase comparator
Phase Detection Distance: Up to 160m
Intelligent Voice Feedback
In phase/out of phase result

SPECIFICATIONS

Functions	Can be used for both high or low voltage long distance phase sequence detection, phase sequence indication, frequency measurement, and voltage testing.
Power	Receiver: DC 7.4V 3000mAH rechargeable lithium battery
	Transmitter: DC 3.7V 1000mAH rechargeable lithium battery
	USB charging port, can work continuously for 10 hours when fully charged
Transmission Method	315MHz and 433MHz wireless transmission
Measurement Distance	Max. 160m
Measurement Range	Phase Detection Voltage Level: AC 1V~550kV
	Phase: 0.0° to 360.0°
	Voltage: 1kV to 35kV
	Frequency: 50Hz to 60Hz
Resolution	0.1°; 0.1Hz; 1V
Accuracy (23°C±5°C, below 80%RH)	Phase Angle: ≤±10°
	Voltage: ±15%±5dgt(1kV to 35kV, high voltage overhead line, other application error ±25%±5dgt)
	Frequency: ≤±2Hz
Phase Difference	In phase: -30° to 30°; out of phase: 90° to 150° and 210° to 270°
Voice Feedback	Voice such as in phase, out of phase, X signal normal, Y signal normal, etc
Size of Insulation Rod	3.2m long after extended; 0.6m retracted
Data Storage	9999 sets
Measurement Methods	Contact Method: When the bare wire voltage is less than 35kV, or less than 110kV for cables with a safety insulation sheath. Please use the insulation rod
	Non-Contact Method: When the bare wire voltage is more than 35kV, or more than 110kV for cables with safety insulation sheath. Please use the insulation rod

	Auxiliary ground cable measurement: if the measurement result is unstable or when the voltage is lower than 100V, connect the auxiliary ground cable to the ground to amplify the signal
Voltage Test Indication	A positive voltage test will be indicated by a “beeping” sound from the transmitter
Measurement Range	The measurement range will be automatically adjusted based on the voltage of the conductor
Sampling Rate	2 times/s
Dimensions	Transmitter: length width and thickness 145mm×60mm×50mm
	Receiver: length width and thickness 207mm×101mm×45mm
Power Amplifier	Transmitter automatically amplifies the signal based on strength of the electric field, facilitating the phase-detection in a tightly packed environment
Data Hold	Press the HOLD button while in testing mode to hold the data, and then press the HOLD button again to cancel the function
Exit	Press the ESC button to exit from the current page and return to the previous page
View Data	Press ENTER to view the saved data, and press Arrow buttons to change between saved data sets
Automatic Shutdown	15mins after startup, the instrument will automatically shut down to reduce battery consumption
Rated Current	Transmitter: 35mA max;
	Receiver: 300mA max
Instrument Weight	Transmitter: approx. 342g (including battery)
	Receiver: approx. 450g (including battery)
	Insulation rod: approx. 0.5kg (1 pc)
	Total: approx. 5.61kg (including instrument box)
Dielectric Strength	Insulation rod: AC 110kV/RMS (between top and bottom when all insulation rods is fully extended)
	Transmitter: 2000V/RMS (between both ends of outer housing)
	Receiver: 2000V/RMS (between both ends of outer housing)
Safety Standards	GB13398-92, GB311.1-311.6-8, 3DL408-91, DL/T971-2005, IEC61481-A2: 2004; IEC 61243-1 ed.2: 2003

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