HPL-200

Low voltage phase checker
Insulated wire clamping type

AC 80～600V (Three-Phase)

Global first＊!
This one unit can be used for both in-phase and different phase checks

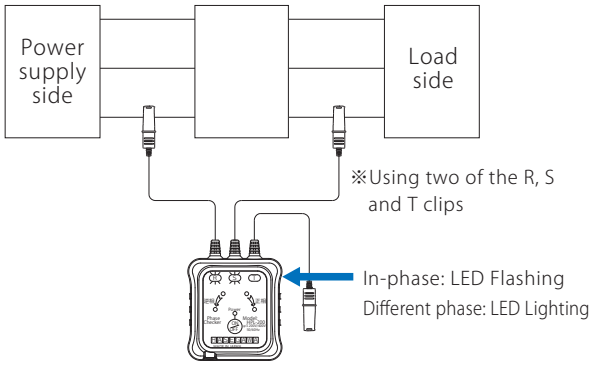
＊As of June 2015, own company investigation

■Features

- Live-part display function: Differentiates charging status (voltage to ground of 80 V or higher) and clip connection failure
- Non-contact type: Phase rotation and in-phase/different phase can be checked from above insulated cables
- Electric line size: Wide range from 2 mm² - 100 mm² (Finished external diameter ø2.8 mm - 22 mm)
- The magnet attached on the rear of the product makes hands-free checking possible

■Connection method for in-phase and different phase checks

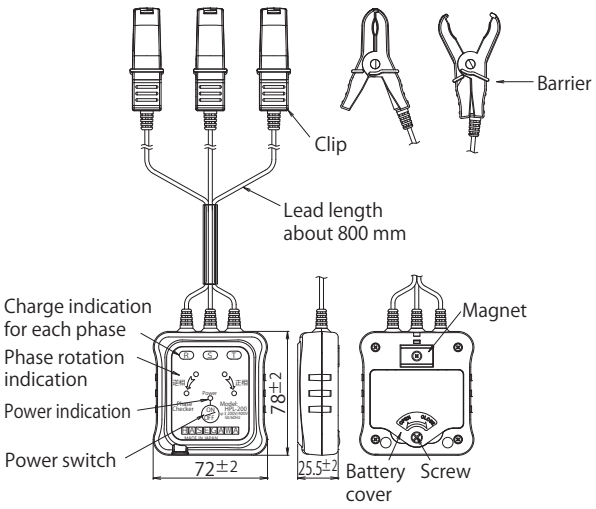
Electric meter replacement work without power cut
(Phase test before in-phase attachment of bypass cable)



■Specifications

Applicable circuits	3-phase 3-line system and 3-phase 4-line system
Working voltage range	AC 80 V to 600 V (Sine wave, continuous) 45～66Hz
Dielectric resistance	100 MΩ or more, using 500 V megger (Between clip and case)
Dielectric strength	AC 2,000 V, one minute (Between clip and case)
Leakage current	During dielectric strength testing, 100 μA or less
Power supply display	Red LED × 1 (Automatic power OFF approx. 5 minutes)
Sound volume	50 dB or more (50 cm apart)
Battery	LR03(1.5V)×2 Continuous use approx. 15 hours
Electric line	IV, DV, OW 2 mm² to 100 mm² (Finished external diameter ø2.8 mm to 22 mm)
Weight	About 190 g (including batteries)

■Dimensions



■Indications

		Charged state (Voltage to ground of 80 V or higher)	Power cut state, or ＊1，2
Charge indication	LED color	R (Yellow), S (Yellow), T (Yellow)	
	LED indication	Lighting	—

＊1 If voltage to ground is 80 V or lower ＊2 If ground phase or open-phase

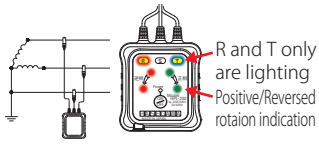
		Positive rotation	Reversed rotation
Phase rotation indication	LED Flashing/Color	Green	Red
	Buzzer sound	—	Intermittent sound

		In-phase	Different phase
In-phase and different phase indication (Charge indication)	LED color	R (Yellow), S (Yellow), T (Yellow)	
	LED indication	Flashing	Lighting

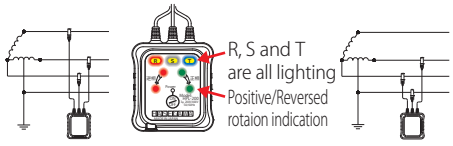
※Display of two clips used, light off when unused

■Example indications

a） 3-phase 3-line system (200 V)



b） 3-phase 4-line system (100 V/200 V)



C） 3-phase 4-line system (400V)