

# 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 mm<sup>2</sup> - 100 mm<sup>2</sup> (Finished external diameter  $\phi$ 2.8 mm - 22 mm)
- The magnet attached on the rear of the product makes hands-free checking possible

## 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 M $\Omega$ 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 $\mu$ A or less
Power supply display	Red LED $\times$ 1 (Automatic power OFF approx. 5 minutes)
Sound volume	50 dB or more (50 cm apart)
Battery	LR03(1.5V) $\times$ 2 Continuous use approx. 15 hours
Electric line	IV, DV, OW 2 mm <sup>2</sup> to 100 mm <sup>2</sup> (Finished external diameter $\phi$ 2.8 mm to 22 mm)
Weight	About 190 g (including batteries)

## 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

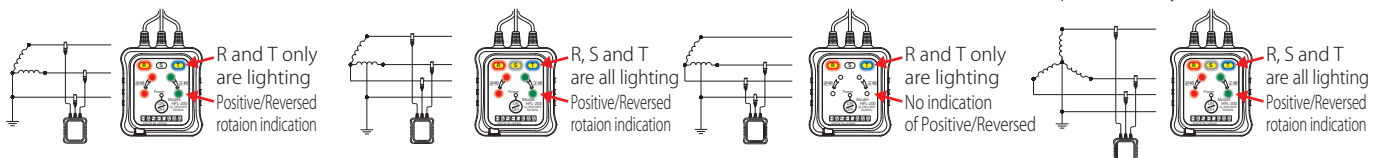
※Display of two clips used, light off when unused

## Example indications

a) 3-phase 3-line system (200 V)

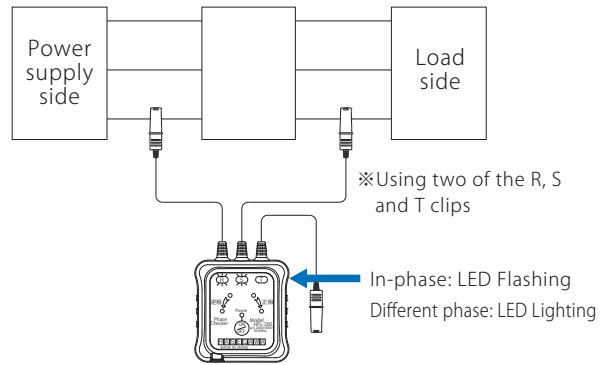
b) 3-phase 4-line system (100 V/200 V)

c) 3-phase 4-line system (400V)



## 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)



## Dimensions

