

Medium voltage phase tester

Optical fiber type

HPI- Series

HPI-A6 : AC3kV~7kV

HPI-A6F : AC3.3kV~6.6kV

* Voltage detection terminal : 6.6kV/22kV/33kV

HPI-S6 : AC6.6kV

HPI-S11 : AC11kV

HPI-S20 : AC22kV~34.5kV

Detector pairs insulated with optical fiber



■ Features

● Multi-functional phase tester

Voltage Detection by single detector use, Phase detection / phase sequence check with pair detector use.

● Measurement is possible on the insulated wire sheath

Testing operation is possible though voltage detection terminals or on the wire insulation. * Can not be used on the shielded cable.

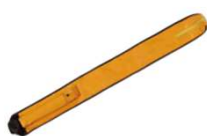
● Indication for phase sequence

In-phase / different phase, and phase sequence are indicated by sound and light indications.

■ Accessories



Attache case
[HPI-A6,A6F only]



Bag for housing
[HPI-S6,S11,S20 only]



Contact tip
[Metal fitting]
Hook type ×2pcs
Flat plate type ×2pcs

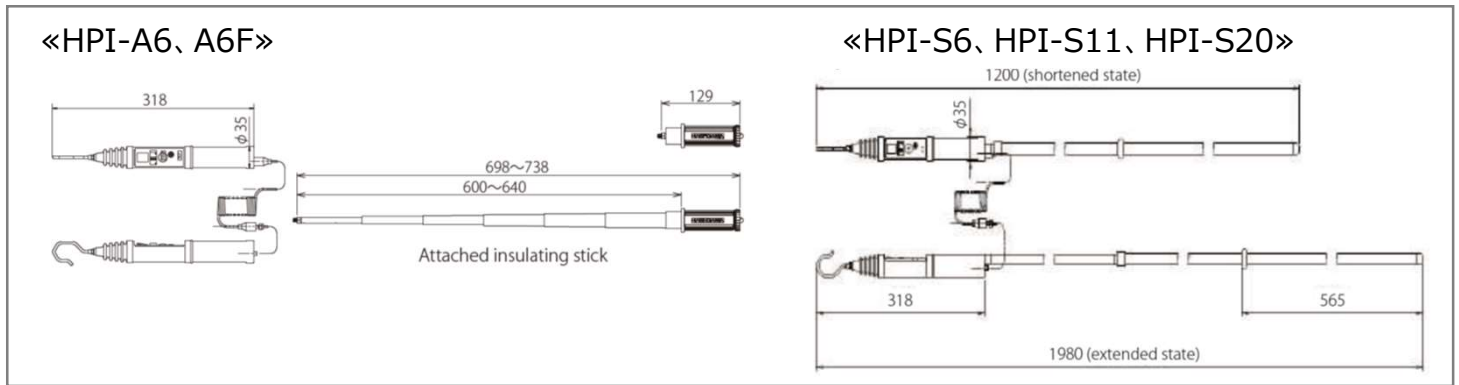


Insulating stick
×2pcs
[HPI-A6,A6F only]



Optical cable &
Joint ×2pcs

■ Dimensions



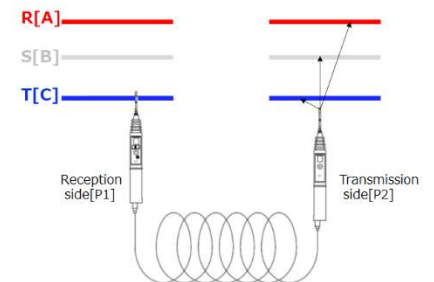
■ Specifications

Model	HPI-A6	HPI-A6F	HPI-S6	HPI-S11	HPI-S20
Working voltage range	3kV~7kV	3.3kV~6.6kV * Voltage detection terminal : 6.6kV/22kV/33kV	6.6kV	11kV	22kV~34.5kV
Target	For Cubicles	For underground cubicle	For overhead lines		
Frequency	50/60Hz				
Insulation resistance	2000MΩ or more				
Dielectric strength	20kV, 1min				75kV, 1min
Operating temperature range	-10℃~+40℃				
Indication of operation	Light	It shall be able to confirm luminance of 8,000lux.			
	Sound	50dB or more at distance of 1m from the sound-generating part [intermittent sound generation]			
Phase test function	Detection of in-phase or different phase of 120°				
Phase sequence function	Detection of advance or delay of 120°				
Possible distance of phase test	Distance between transmitter and receiver, with standard optical cable:6m[3m×2]				
	It can be used at up to 30m with the optional cable.				
Battery	R1(1.5V), each 2pcs [for transmitter and receiver]				
Case	Attache case		Bag for housing		

■ How to use

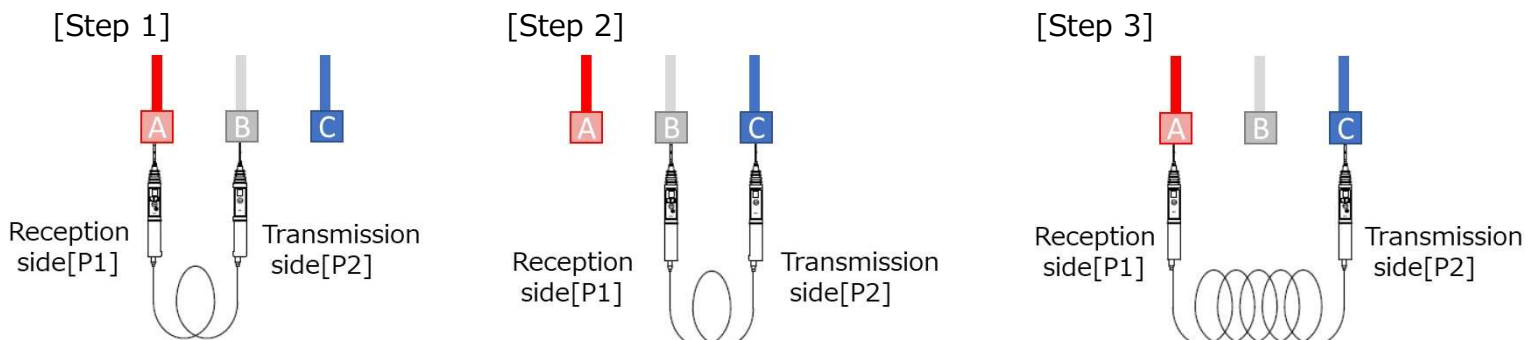
1. Phase checking

By setting the reception side[P1] as a reference, check the transmission side[P2] corresponding to each phase, If there are no sound and light indications, it is "Different phase".



2. Rotation checking

When detectors contact two out of three phases, and if there are no sound and light indications, at the reception side[P1], this indicates "positive rotation", and if there are , this indicates "inverse rotation".



HASEGAWA ELECTRIC CO., LTD

<http://www.hasegawa-elec.co.jp> infor@hasegawa-elec.co.jp