

# HST series

HST-30/HST-70/HST-170/HST-250  
Medium voltage & High voltage detector

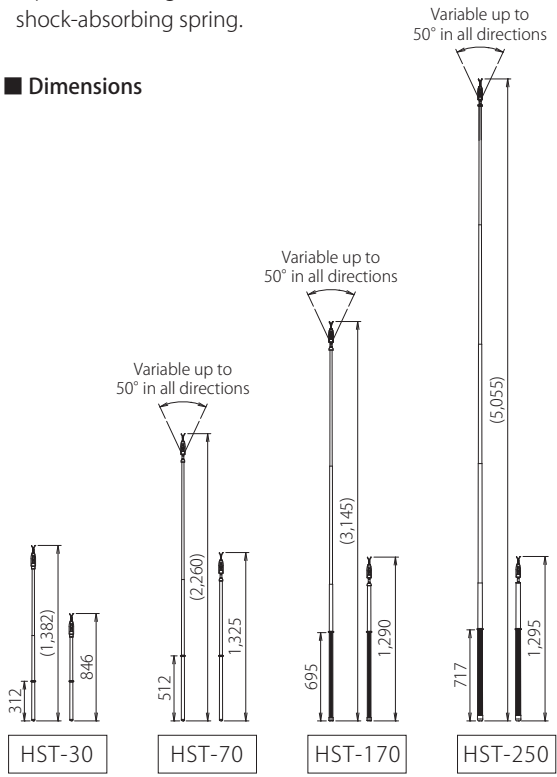
AC	HST-30	3kV~ 34.5kV
	HST-70	20kV~ 80.5kV
	HST-170	60kV~195.5kV
	HST-250	150kV~287.5kV

- Audio signaling and light emitting
- Telescopic type
- Waterproof

### ■ Features

- FRP is used for the insulating stick. It is lightweight and outstanding in operability.
- Tip metal fitting consists of a shock-absorbing spring.

### ■ Dimensions



For Medium voltage and High voltage, light weight and easy to use



Because the angle at the detector is adjustable, it can be set up so that the light emission is easy to see. (HST-70, HST-170, HST-250)

### ■ Accessory



HST-30 (Shortened state)   HST-170 (Shortened state)

■ Operating rod can be changed to a longer one. (\* Changing to a shorter one is not possible from the viewpoint of safety.)

Model	Standard product	Model after changing the operating rod		
		Changed to operating rod of HST-70 (2,260 mm)	Changed to operating rod of HST-170 (3,145 mm)	Changed to operating rod of HST-250 (5,055 mm)
HST-30		HST-30G	HST-30H	HST-30J
HST-70		—	HST-70H	HST-70J
HST-170		*	—	HST-170J



(for HST-V series) Universal joint compatible

### ■ Specifications

Model	HST-30	HST-70	HST-170	HST-250
Working voltage range	AC 3kV~34.5kV	20kV~80.5kV	60kV~195.5kV	150kV~287.5kV
Operation starting voltage (Voltage to ground)	Bare wire 500V±20% φ5mm-OC wire 3 kV or less	3kV±20%	10kV±20%	20kV±20%
Frequency	50/60Hz			
Dielectric strength	Contact tip – Grip 70 kVAC, 1 min	Insulating stick 75 kVAC/300 mm, 1 min (following positions except for the electrode and joint portions)		
Leakage current	100 μA or less at dielectric strength test/1 position			
Battery	LR44(1.5V) × 2 pcs			
Battery life	About 4 hr. under continuously operating state			
Operating temperature range	-10°C~+50°C			
Weight	About 340 g	About 530 g	About 600 g	About 1030 g

- Index etc.
- Voltage detector
- Auxiliary device for voltage detection
- Voltage detector checker
- Phase tester
- Grounding hook
- Discharge stick
- Measuring instrument
- Illuminator
- Railway products
- Information materials

# HST-30W

Audio signaling and light emitting type voltage detector

**AC** 3kV~42kV



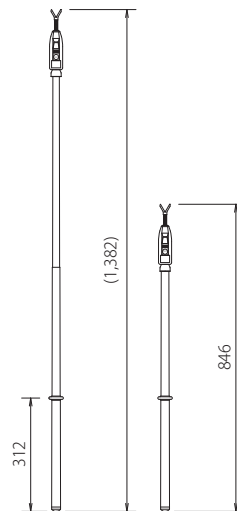
### ■ Features

- FRP is used for the insulating stick. It is of lightweight and has outstanding operability.
- Tip metal fitting consists of a shock-absorbing spring.

### ■ Specifications

Working voltage range	AC3kV~42kV	
Operation starting voltage (Voltage to ground)	AC 500 ± 100 V (bare wire)	
Frequency	50/60Hz	
Dielectric strength	On insulating rod AC 75kV/300mm for 1minute. (2 places)	
Insulation resistance	The same points as those of dielectric strength. 2,000 MΩ or more	
Leakage current	0.1 mA or less on dielectric strength	
Operating temperature range	- 10°C ~ +50°C	
Operation status display	Light	Verifiable at 8000 Lx of brightness (Red LED)
	Sound	50dB or more (3m apart)
Waterproof	There should be no water seeping inside after applying precipitation of 3 mm/min to the detection part for 10 minutes.	
Battery	LR44(1.5V) x 2 pcs	
Weight	About 340 g	

### ■ Dimensions



### ■ Accessory



# HWB series

Non-contact voltage detector

**AC** HWB-35 6kV~ 35kV  
HWB-138 66kV~138kV  
HWB-550 210kV~550kV



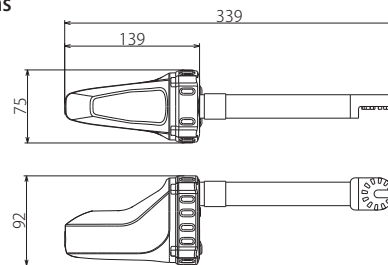
### ■ Features

- FRP is used for the insulating stick. It is of light-weight and has outstanding operability.
- Universal joint type

### ■ Specifications

Model	HWB-35	HWB-138	HWB-550
Working voltage range	AC 6~35kV	AC 66~138kV	AC 210~550kV
Operation distance	5 ~ 10cm (at AC 6kV)	5 ~ 10cm (at AC 66kV)	5 ~ 10cm (at AC 210kV)
Indication	Sound	Intermittent sound 80dB or more	
	Light	Stand-by state : Green LED light (Automatically turns off in about 2minutes) Operation state : Red LED flash light (Flashing red light, distinguishable in brightness of 50,000lux)	
Frequency	50/60Hz		
Water proof	Equivalent to IP45		
General design	Separate device		
Shock resistance	This device has Shock resistance by Pendulum method (Pendulum method: IEC 61243-1 Shock resistance)		
Operating temperature range	- 10°C ~ +50°C		
Battery	R03 (1.5V) × 2pcs.		
Weight	About 400 g (Include batteries)		
Accessory	Bag for housing		

### ■ Dimensions



# HST-L series

HST-30L/HST-70L/HST-W80L  
Medium voltage & High voltage detector

AC	HST-30L	3kV~34.5kV
	HST-70L	20kV~80.5kV
	HST-W80L	20kV~80.5kV

## Long length for Feeder

- Audio signaling and light emitting
- Telescopic type
- Waterproof

### ■ Features

- FRP is used for the insulating stick. It is lightweight and outstanding in operability.
- Tip metal fitting consists of a shock-absorbing spring.



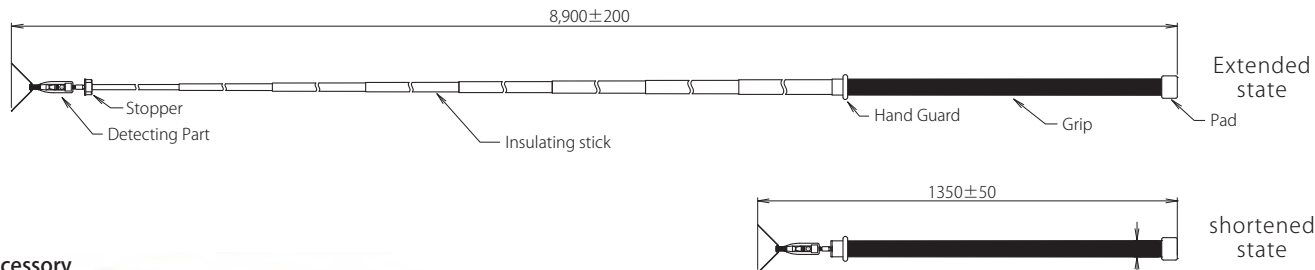
Contact tip



Extended state

80L

### ■ Dimensions



### ■ Accessory



Bag for housing (DA14006)

### ■ Specifications

Type		HST-30L	HST-70L	HST-W80L
Working voltage range	AC	3kV~34.5kV	20kV~80.5kV	20kV~80.5kV
Operation starting voltage	AC	500V±100V	3,000V±600V	5,000V±1,000V
Frequency		50/60Hz		
Dielectric strength		on insulating stick AC 75kv/300mm for 1minute. (insulating stick excluding contact tip and joint)		
		1 place	3 places	3 places
Leakage current		0.1mA or less during dielectric strength test (1 place)		
Battery		LR44(1.5V) × 2 pcs		
Life of the battery		About 4 hr. under continuously operating state		
Operating temperature range		-10°C~+50°C		
Weight		About 3kg	About 3kg	About 3kg

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- Discharge stick
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