

A NEW CHALLENGE AS PIONEER

Rising to New Challenges as a Pioneer

HASEGAWA ground-fault relays, voltage detectors, phase testers, and measuring instruments are essential to protect the safety of human lives and our society.

In this age of electronics, one that continues to progress in complexity, the importance of these products are increasing at an alarming rate.

From extra-high voltage to low-voltage products and AC to DC products used in a variety of scenes from power companies, railway companies, and FA factories for manufacturing companies to various households, our company's products play a key role in creating safe electrical environments.

We contribute to "safe electricity" by providing high-level technical skills and wholehearted devotion. We make full use of our sensing technology to make greater leaps in our development.

Since its founding in 1925, our company has strived to develop and produce products that are key to creating safe electrical environments through products such as ground-fault relays, voltage detectors, and phase testers.

As a result, we have been able to establish ourselves as the top manufacturer in the voltage detector field, and through our original research and technology in both AC and DC relays, we have developed one-of-a-kind products and have received high praise. This is simply a result of our thorough application of "worksite principles", and it is precisely because our entire company takes a position of wholeheartedly responding to the demands of our customers under the motto of "the truth is in the worksite" that we have been able to grow as a total-solutions consulting company for "electrical safety".

Additionally, in recent years we have been grabbing attention in the overseas market and not just in Japan. Notably, in Southeast Asia, the HASEGAWA brand is recognized as proof of safety and reliability. We take pride in being able to contribute to our

customers, which include many infrastructure-related enterprises that support people's lives, such as power, gas, sewer, railroad, and communication companies, and in the future, we would like to make full use of our sensing technology to make great leaps in our development. We at Hasegawa believe that it is our social duty to create "a society free of electrical accidents", and it is our intention to continue this duty with untiring efforts. It is our hope that you will continue to support and guide us in our endeavors from now and into the future.



PRESIDENT

吉田 洋一郎
Yojiro Yoshida

We are in constant pursuit of technological innovation in order to create a society of comfortable and safe electronics.

Society ever marches forward, and globally, changes are occurring at such an intensely rapid rate that even the words "IT" and "digital" are becoming obsolete in the world of electronics. HASEGAWA is able to respond to the changes of these times while continuing to be the top manufacturer of voltage detectors and relay-related products now and into the future.

To achieve this, we are resolved to never feel satisfied with our current knowledge and technology, and we are engaged in research and development with the aim of creating technology for the next generation and beyond.

The first step of creating ideas for the future starts from our "worksite". We begin by accurately understanding product usage and the demands of our customers. Following this, we continue to listen to our customers and implement their opinions through our processes of development and design, production, quality control, and sales...

Through this constant, cyclical workflow, HASEGAWA aims for greater heights and is working to make "a society free of electrical accidents" a reality.



At HASEGAWA, our work never stops. Through a never-ending cycle of activity, we respond to the demands of the next generation.

We walk in step with our customers and provide support through a 24-hour full-support system. We support our customers through reliable consulting.



We develop our products after giving our full attention to the opinions of our customers and thoroughly analyzing what is being demanded by the market and the times.



Client

Development



Design

We work with the ideas of the product being developed and proceed with design that considers a variety of applications. We also take universal design into account and pursue ease of use.



Sales



Production

We take the needs of our customers and when products will be used into account to realize a production system that is able to quickly get products on the market.



Quality



Not only do we sell products, we also regularly make proposals that can contribute to the work of our customers.



We implement strict product testing and checks that reflect the reliability of the HASEGAWA brand to deliver products with confidence.

Company Overview

Founded: July 1925
Established: September 20, 1971
Capital: 41.6 million yen
 (authorized capital: 64 million yen)
Representatives: Chairman: Osamu Yoshida
 President: Yojiro Yoshida

[Locations]

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Sendai Sales Office: Ohku-Sendai Bldg. 2-5-1 Honcho, Aoba-ku, Sendai 980-0014
 Tel: +81-22-265-9378 Fax: +81-22-713-6392
General Testing Office: 5-6-20, Shioe, Amagasaki-city, Hyogo 661-0976

[Business Contents]

Voltage detectors: Low voltage detectors, high voltage detectors, extra-high voltage detectors, DC voltage detectors, and other auxiliary devices for voltage detection
Phase testers: Low voltage phase testers, high voltage phase testers, extra-high voltage phase testers
Relays: Bus relays, ground-fault directional relays, ground-fault overvoltage relays, high voltage ground-fault relays, short-circuit relays, DC ground-fault relays, etc.
Current transformers: Zero-phase current transformers
Grounding transformers: Low voltage grounding transformers, high voltage grounding transformers
Measuring instrument-related: Leakage monitors, ωC measuring instruments, etc.
Grounding tools: Grounding hook sticks, discharge sticks
LED-related: Working lights, helmet lights, etc.
Other: Consulting related to ground-fault relay systems, measuring systems, etc.
 Research, design, and production for co-development with customers

[Major Clients]

Various power companies and related enterprises, various electrical safety associations, various electric construction firms, various companies related to Japan Railways and private railways, NTT, electronic material trading firms, etc.

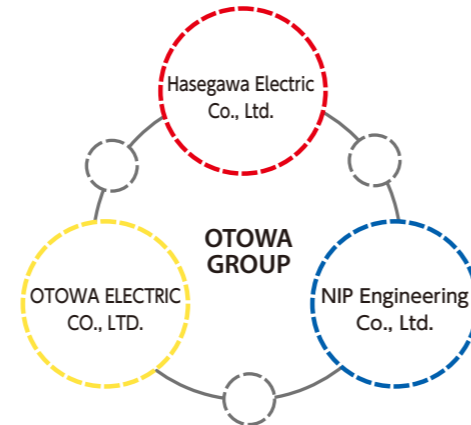
[Banks]

MUFG Bank, Amagasaki Ekimae Branch
 Resona Bank, Dojima Branch
 Sumitomo Mitsui Bank, Umeda Branch



We work with our group company to aid in providing stable electrical power.

We work with our group company to contribute to the stability and safety of electrical power supply with a focus on relays, voltage detectors, and other devices that are essential for the protection and maintenance of devices related to electrical power and industrial equipment as well as solar power generation.



OTOWA ELECTRIC CO., LTD.

Provides total solutions for lightning-related products, including lightning-resistant elements, the first SPDs for direct lightning hits in Japan, SPDs for power sources, and lightning-resistant transformers.

NIP Engineering Co., Ltd.

Provides total solutions for anti-lightning measures, including the manufacture, sales, design, construction, and lightning-damage solutions consultation for lightning arrester equipment (lightning rods), as well as the maintenance of solar power generation systems

Ceraon Co., Ltd.

Manufactures and sells ceramic devices

Meneon Co., Ltd.

Performs electrical work as well as maintenance and management for electrical facilities

Geological Assessment Tech Co., Ltd.

[Geological survey and water quality survey], [grounding design, grounding resistance reduction work and consulting], [planning, design, and consultation of external and internal lightning protection measures]

Otowa Korea Co., Ltd.

Sells various lightning arrestors as well as other electronic machinery and devices.

Our Company's Journey

[Company History]

- 1925 Founded in Osaka as the Hasegawa Toshihiko Trading Company Imports and sells relays, fuses, and voltage detectors
- 1942 Moves to Higashi Yodogawa, Osaka. Begins development and manufacture of bus relays and other ground-fault protection relays as well as voltage detectors
- 1949 Reorganizes as Hasegawa Electric Co., Ltd. (Hasegawa Denki)
- 1971 Changes trade name to Hasegawa Electric Co., Ltd. (Hasegawa Denki Kogyo) Kametaro Yoshida becomes President and Representative Director
- 1975 Begins sale of the "HS-7 audible, light-emitting voltage detector"
- 1986 Osamu Yoshida becomes President and Representative Director
- 1995 Issues "The Great Hanshin Earthquake for Our Company"
- 1996 Begins sale of the "HT-610 α low voltage detector"
- 1997 Begins sale of the "RRG-1 ωC measurement type ground fault protection relay"
- 1999 The HT-600 series of low voltage detectors achieves 1 million units in sales
- 2001 Receives ISO 9001 certification
- 2003 Receives ISO 14001 certification
- 2008 Main factory moves to Shioe, Amagasaki City
- 2011 Issues the technical periodical "Understanding ωC Ry"
- 2013 Establishes Sendai Sales Office
- 2014 Tatsuo Matsuoka becomes President and Representative Director
- 2015 First appearance at the Korea Expo (actively participates in international exhibitions after this)
- 2017 Head office and factory moves to new building
- 2018 Yojiro Yoshida becomes President and Representative Director

[Awards Received]

- 1981 "HS Series" wins award at the Japan Electrical Construction and Materials Fair
- 1983 "HP Series" wins award at the Japan Electrical Construction and Materials Fair
- 1986 "HT-600 voltage detector" selected for the Good Design Award G Mark
- 1988 "HSS-6 voltage detector" wins award at the Japan Electrical Construction and Materials Fair
- 1989 "HT-610 voltage detector" selected for the Good Design Award G Mark
- 1990 "HPI-A6 phase tester" wins award at the Japan Electrical Construction and Materials Fair
- 1993 "HX-6 hot line proximity alarm" wins award at the Japan Electrical Construction and Materials Fair
- 1993 "HST Series voltage detector" selected for the Good Design Award G Mark
- 1994 "VG-UI2T instant ground-fault directional relay" wins award at the Japan Electrical Construction and Materials Fair
- 1995 "Research and development of wireless voltage detectors and phase testers" wins the Shibusawa Award
- 1996 "Development of ωC measurement type ground fault protection relay equipment" wins Ohm Technology Award
- 1996 "HT-610 α voltage detector" wins Good Design Award Commissioner's Special Prize for Products of Small and Medium Enterprises
- 1999 "Development of lead-less voltage detectors" wins the Shibusawa Award
- 1999 "RRG-1B relay" wins award at the Japan Electrical Construction and Materials Fair
- 2000 "Lead-less phase tester" wins award at the Japan Electrical Construction and Materials Fair
- 2001 "Development of extendable voltage detectors" wins the Shibusawa Award
- 2003 "HSE-7T voltage detector for high voltage" wins award at the Japan Electrical Construction and Materials Fair
- 2005 "RRG-3 ωC measurement type ground fault protection relay" wins the Shibusawa Award
- 2007 Selected as one of the Small and Medium Enterprise Agency's "300 Small and Medium Enterprises Engaged in Spirited Manufacturing"
- 2007 "HT-610 α voltage detector" wins Good Design/Long Life Design Award
- 2010 Recognized as a leading technology enterprise in the Southern Hanshin area
- 2013 "Development of contactless AC voltage detectors" wins Railway Electrical Engineering Award
- 2013 "HXR contactless AC voltage detector" wins award at the Japan Electrical Construction and Materials Fair
- 2014 Presented with a "Certificate of Excellence in Declaration as a Corporation" by the Amagasaki Tax Office



Shibusawa Awards



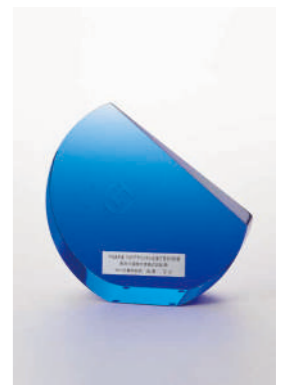
Various awards from the Japan Electrical Construction Association



The Small and Medium Enterprise Agency's 300 Small and Medium Enterprises Engaged in Spirited Manufacturing



Ohm Technology Award



Good Design Commissioner's Special Prize for Products of Small and Medium Enterprises

Hot line proximity detector

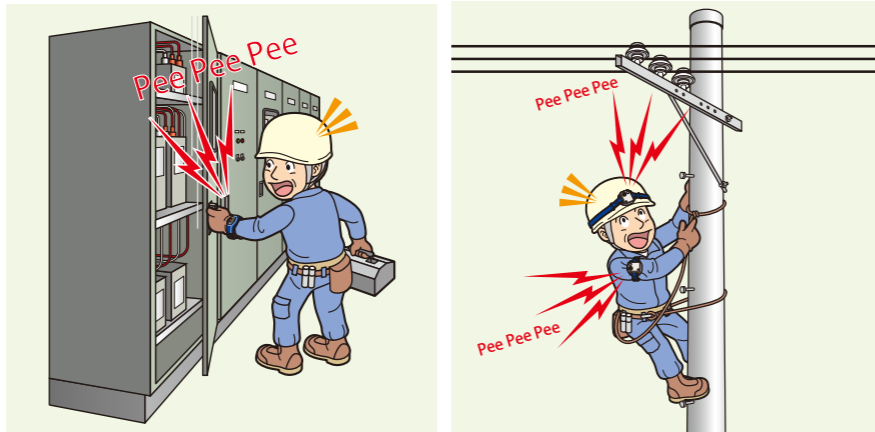
AC 6.6kV

Waterproof
Auxiliary device for voltage detection

■ Features

- Alarm sound of electronic buzzer when approaching to live line is detected.
- It is ideal for preventing human errors, as there is no power switch and it is always on stand-by.

Auxiliary voltage detection device that gives alarm sounding at a distance when approach to a live line.



Hot line proximity detector

■ What is a Hot line proximity detector?

- The product that generates audible and visible output(alarm) when it detects a voltage at a distance to prevent accident of electric shock. Unintended access due to human errors such as preconception or misconception can be prevented.
- This product is not a typical(contact type) voltage detector as it detect the voltage at a distance.

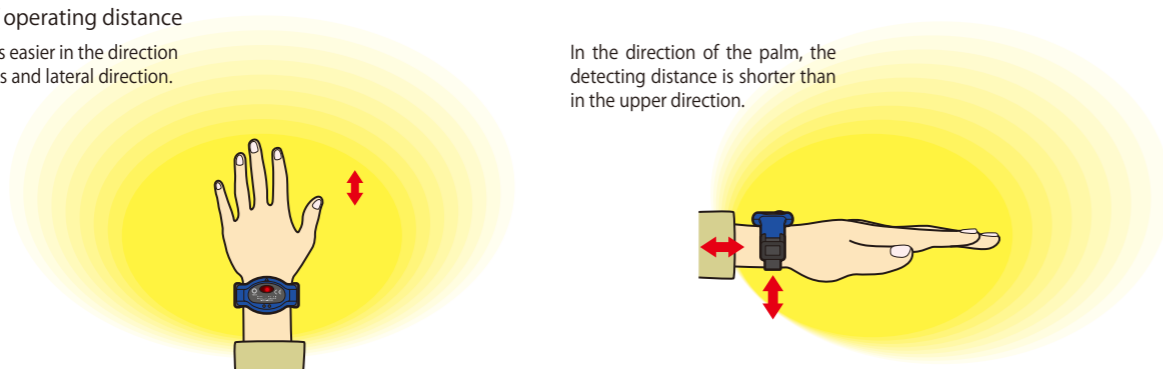
■ Precautions before purchasing the Hot line proximity detector

- Please use proper model according to the applications, because detection sensitivity has been adjusted for cubicle works and overhead line works respectively assuming the general site conditions.
- The specification "OV-0cm" of this product is a distance under the "standard condition" set in the factory.
At actual sites, the operation distance may become shorter, depending on environment, wiring conditions, etc.^(*)
(* 1) e.g.: When a grounded structure exists nearby, etc.
- The sensitivity of this product is directional. Sensitivity is reduced at the back of the product (in the case of HXW-6, direction of the palm).

● Image of operating distance

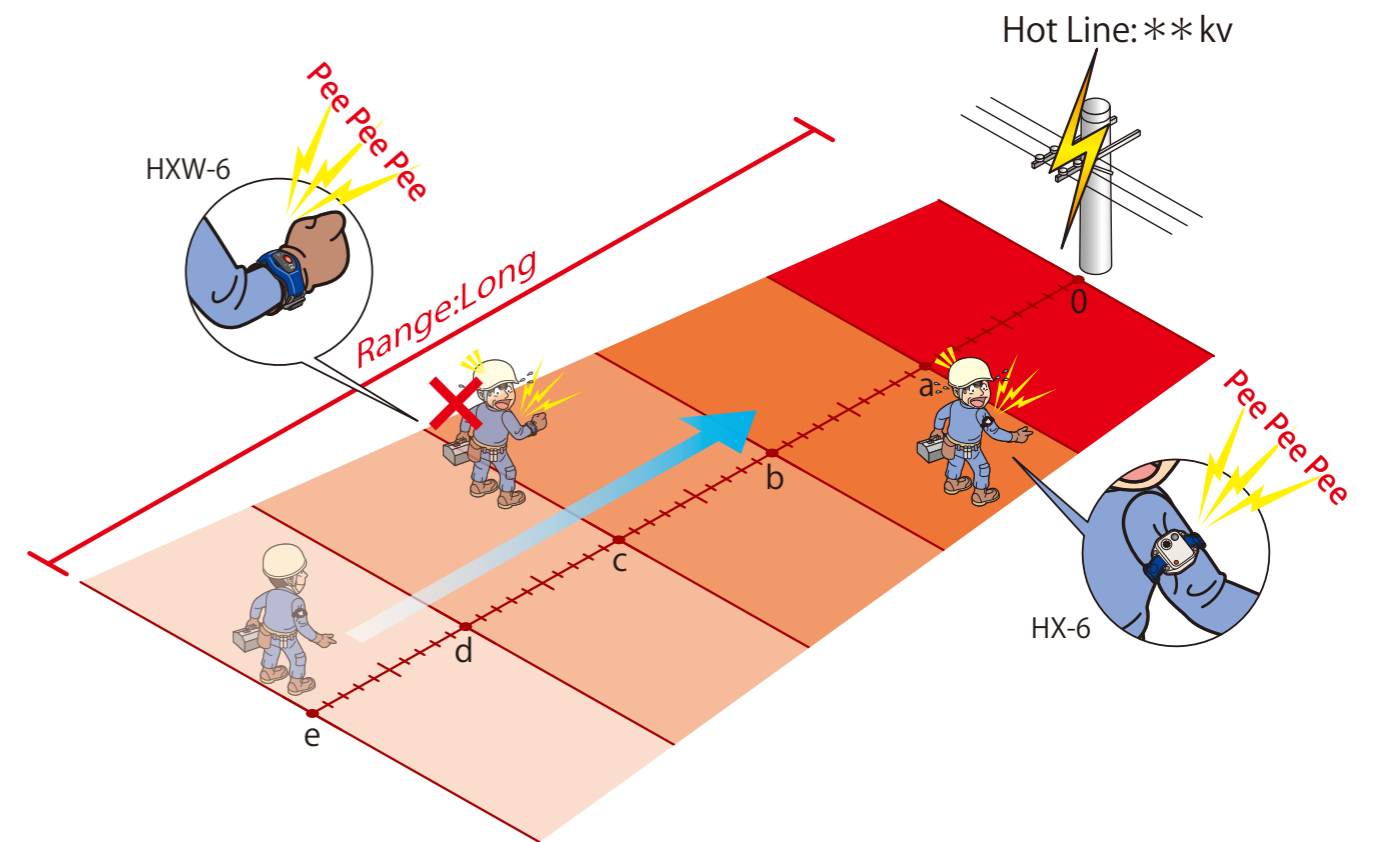
Detection is easier in the direction of fingertips and lateral direction.

In the direction of the palm, the detecting distance is shorter than in the upper direction.

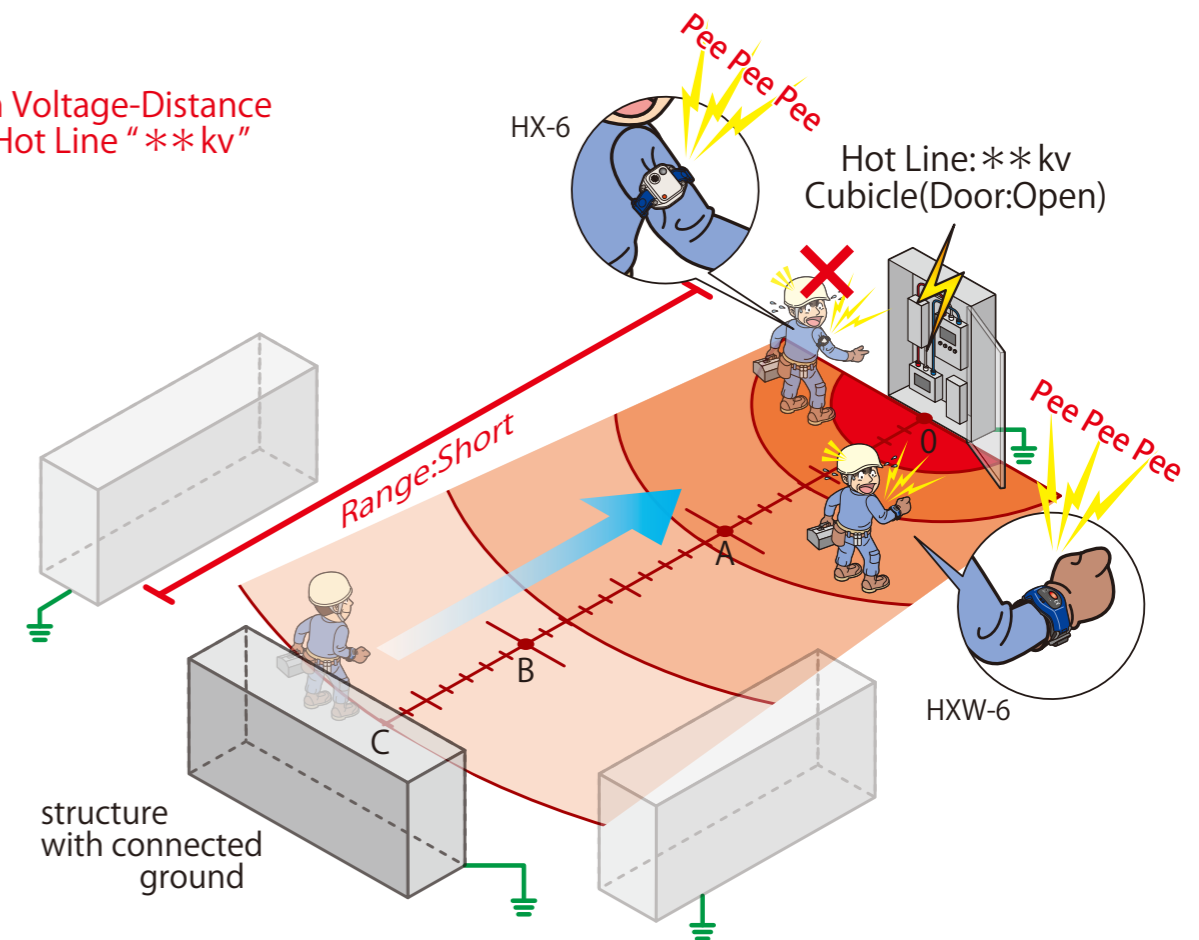


About Field Intensity (Changing of Operation Voltage Distance)

"Operation Voltage Distance is Flux by the surroundings."



Operation Voltage-Distance against Hot Line " ** kv "



HXW-6

(Both 50Hz and 60Hz)

Wrist band type

AC 6.6kV



Specifications

Model	HXW-6	
Location of use	Exclusively for work relating to cubicles	
Alarm starting distance (Under standard condition)	60cm	
Frequency	Both 50Hz and 60Hz	
Sound volume	65dB or more (60cm apart)	
Battery	CR1620(3V) × 1 pcs	
Battery life (with new battery)	Continuously operating state	About 15 hr.
	Unused state	About 10 months
Operating temperature range	-10°C ~ +40°C	

Exclusively for cubicle works



Features

- When approaching a live line, detector output of the buzzer sound and flashing light is activated.
- It is ideal for preventing human errors, as there is no power switch and it is always on stand-by.

HXW-6W

(Both 50Hz and 60Hz)

Wrist band type

AC 1kV to 42kV



Specifications

Model	HXW-6W	
Working Voltage range	1kV to 42kV	
Alarm starting distance (Under standard condition)	60cm against 6.6kV (3.8kV to ground)	
Frequency	Both 50Hz and 60Hz	
Sound volume	65dB or more (60cm apart)	
Battery	CR1620 (3V) × 1pcs	
Battery life (with new battery)	Continuously operating state	About 15 hr.
	Unused state	About 10 months
Operating temperature range	-10°C ~ +40°C	

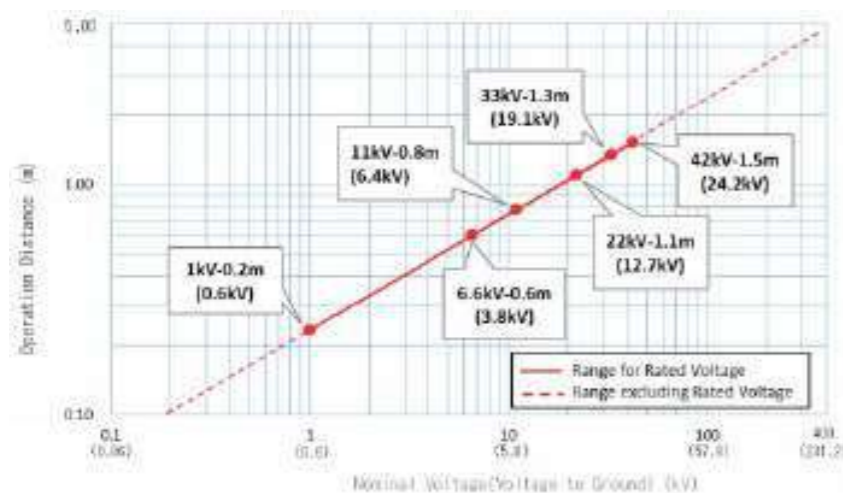
Exclusively for cubicle works



Operation Voltage Distance Table (Theoretical value)

Normal Voltage	Operation Distance
6.6kV	0.6m
11kV	0.8m
22kV	1.1m
33kV	1.3m

Operation Voltage-distance table and graph are theoretical value.
Operation distance is varied depending on the actual surrounding environment.
Please confirm operation distance in actual use environment before using.



Operation Voltage Distance graph

HX-6

(Exclusively for use at 50 Hz or 60 Hz)

Upper arm fitting type

AC 6.6kV

Specifications

Model	HX-6	
Location of use	Exclusive for work with overhead lines	
Alarm starting distance (Under standard condition)	80cm	
Frequency	Either 50 Hz or 60 Hz, whichever is designated	
Sound volume	65dB or more (1m apart)	
Battery	CR2025 or CR2032(3V) × 1 pcs	
Battery life (with new battery)	Continuously operating state	About 50 hr.
	Unused state	About 2 years
Operating temperature range	-5°C ~ +45°C	

Hot line proximity detector exclusively for overhead line works

* Please designate the frequency (50 Hz or 60 Hz).

[Attention]

This is not suitable for cubicle works.



HX-6S

(Exclusively for use at 50 Hz or 60 Hz)

Helmet fitting type

AC 6.6kV

Specifications

Model	HX-6S	
Location of use	Exclusive for work with overhead lines	
Alarm starting distance (Under standard condition)	110cm	
Frequency	Either 50 Hz or 60 Hz, whichever is designated	
Sound volume	65dB or more (1m apart)	
Battery	CR2025 or CR2032(3V) × 1 pcs	
Battery life (with new battery)	Continuously operating state	About 50 hr.
	Unused state	About 2 years
Operating temperature range	-5°C ~ +45°C	

Hot line proximity detector exclusively for overhead line works

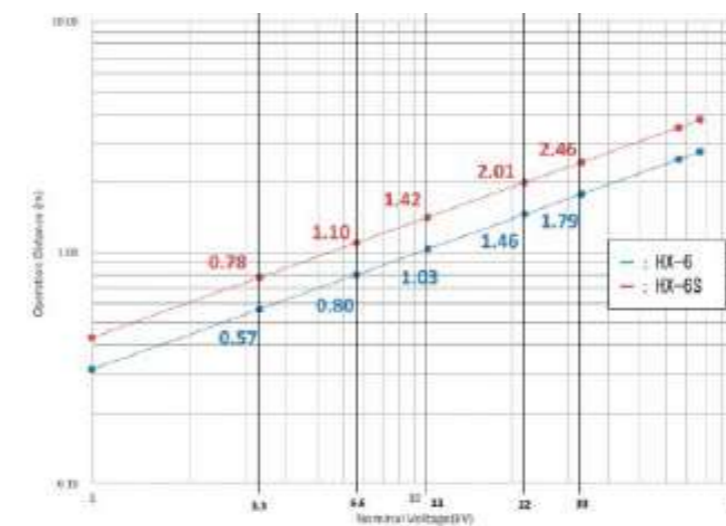
* Please designate the frequency (50 Hz or 60 Hz).

[Attention]

This is not suitable for cubicle works.



HX-6/HX-6S Operation Voltage-distance table and graph



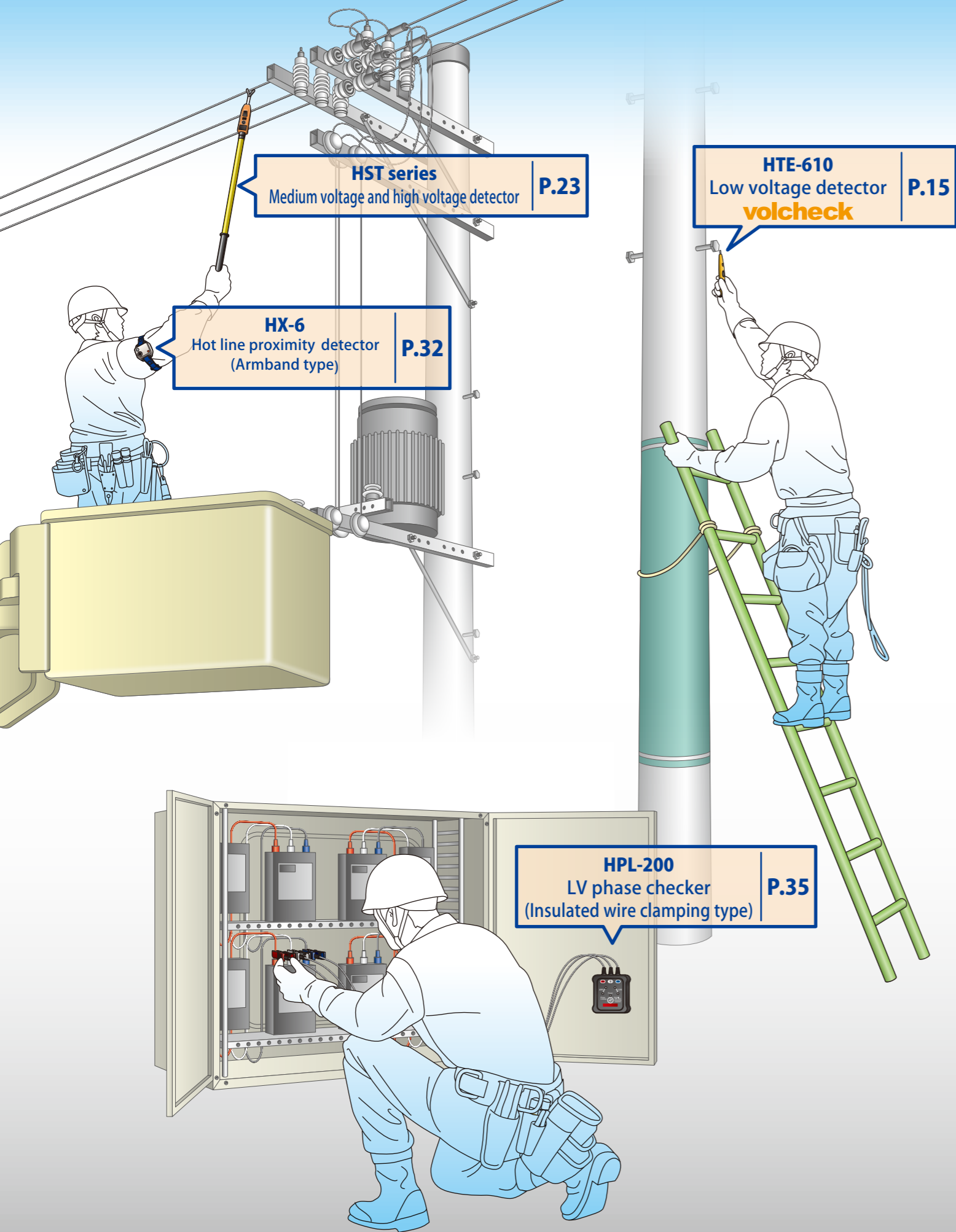
Operation Voltage Distance graph (Theoretical value)

Operation Voltage Distance Table (Theoretical value)

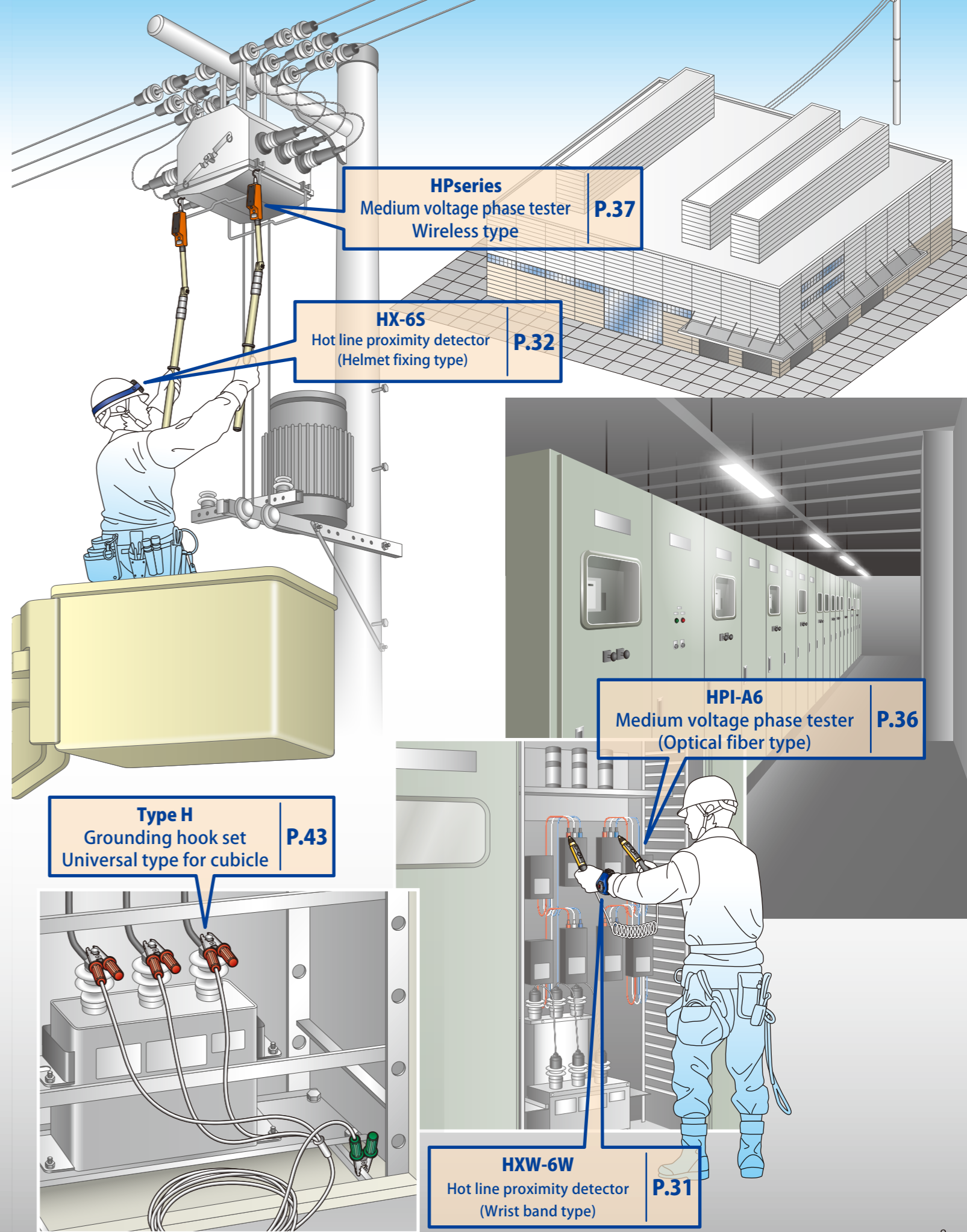
Normal Voltage	Operation Distance	
	HX-6	HX-6S
6.6kV	0.8m	1.1m
11kV	1.0m	1.4m
22kV	1.5m	2.0m
33kV	1.8m	2.5m

Operation Voltage-distance table and graph are theoretical value.
Operation distance is varied depending on the actual surrounding environment.
Please confirm operation distance in actual use environment before using.

APPLICATIONS

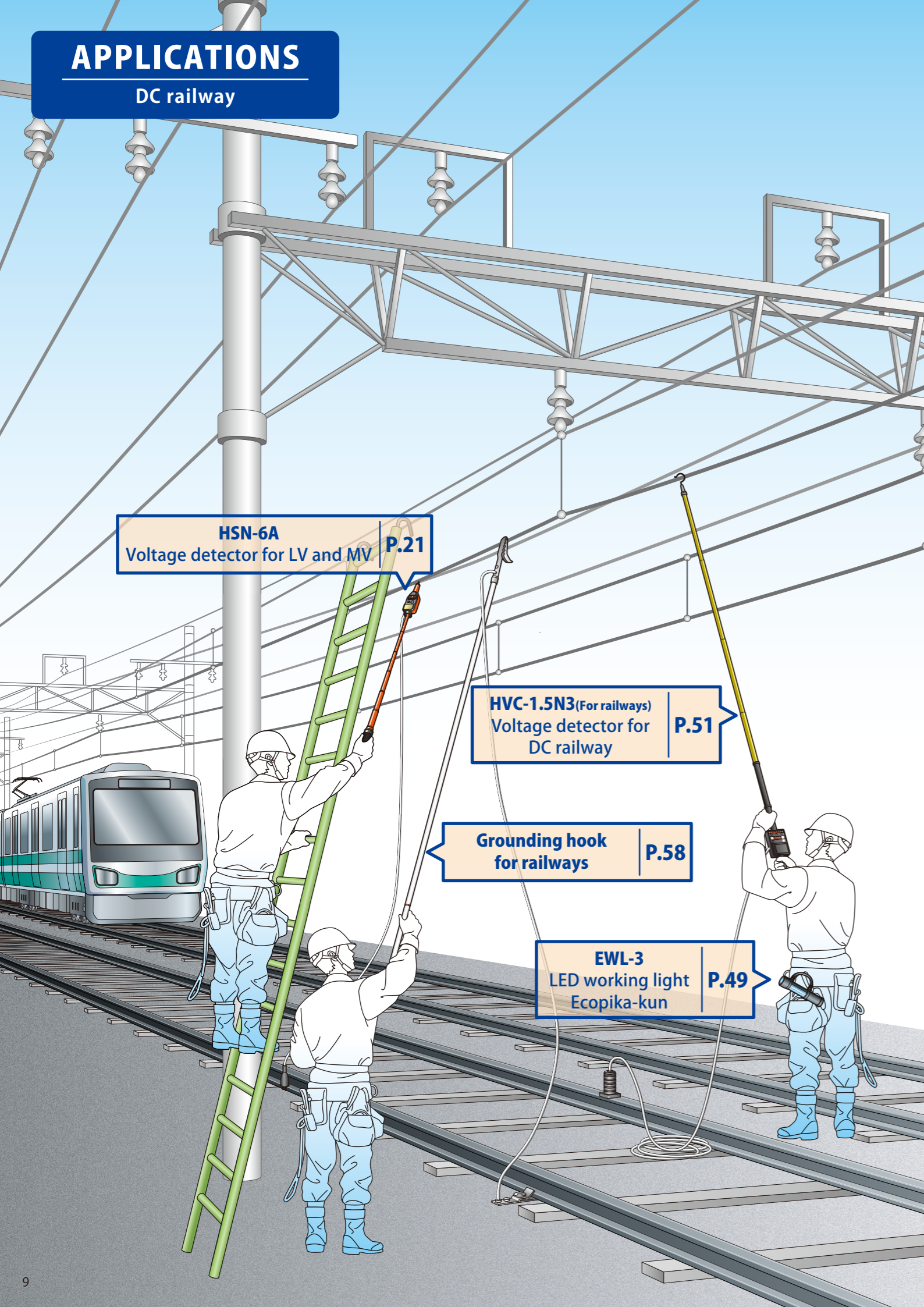


APPLICATIONS



APPLICATIONS

DC railway



HSN-6A
Voltage detector for LV and MV | **P.21**

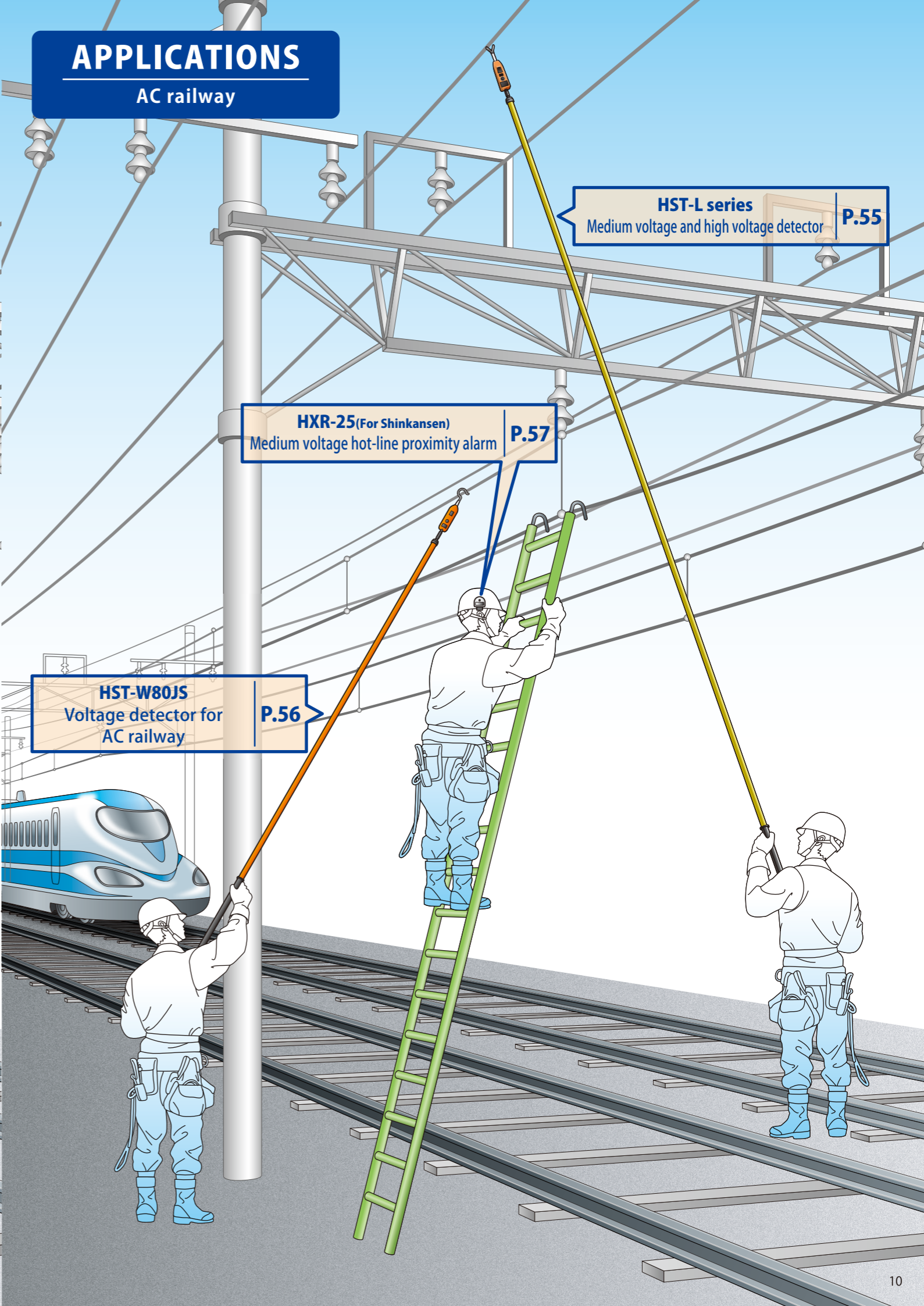
HVC-1.5N3(For railways)
Voltage detector for DC railway | **P.51**

Grounding hook for railways | **P.58**

EWL-3
LED working light Ecopika-kun | **P.49**

APPLICATIONS

AC railway



HST-L series
Medium voltage and high voltage detector | **P.55**

HXR-25(For Shinkansen)
Medium voltage hot-line proximity alarm | **P.57**

HST-W80JS
Voltage detector for AC railway | **P.56**