

# Non-Contact High Voltage Detector



The 277 HP is an ideal tool for checking the presence of AC high voltages and AC low voltages in cables, wall outlet, fuses.....etc.

The 277 HP provides a non-contact detection for AC voltages from 50V~132kV. It's also for industrial, utility and mine safety applications.

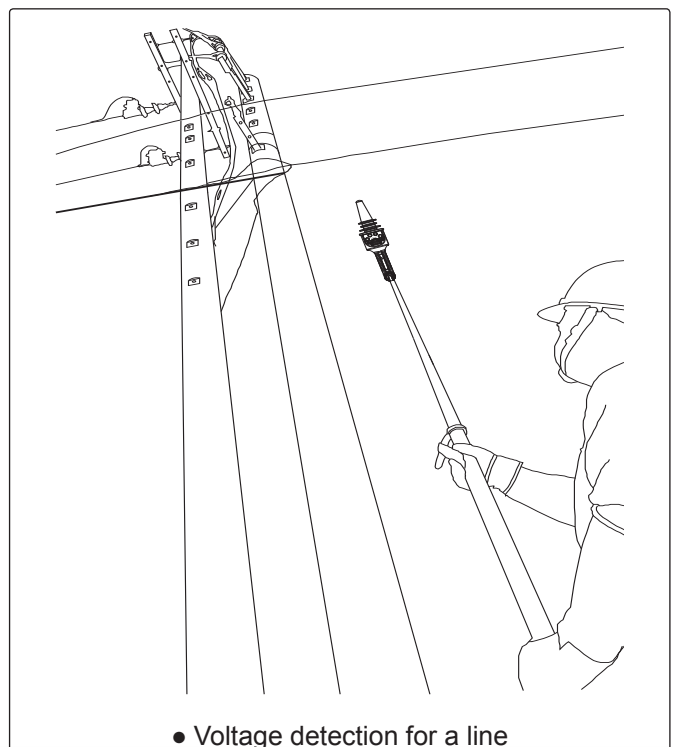
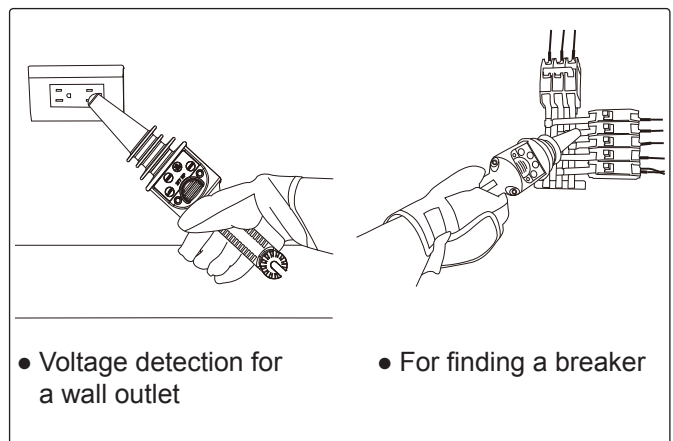
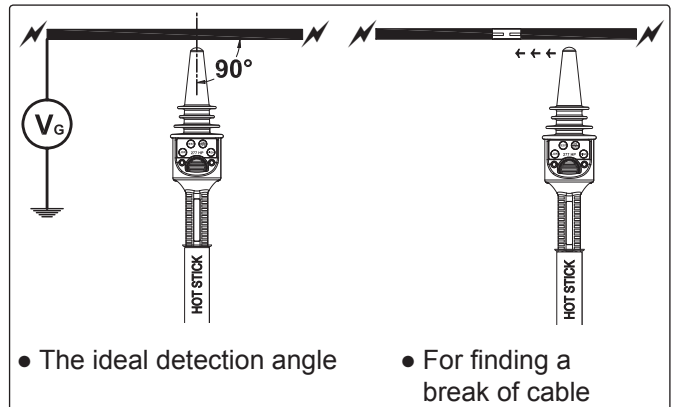
- 2 ranges for selection ( 2 function buttons )  
LOW : 50V~1.5kV  
Press the LOW button, 277 HP is ready for low voltage detection.  
HIGH : 1.5kV~132kV  
Press the HIGH button, 277 HP is ready for high voltage detection.
- Power consumption:  
Off : Less than 5uA  
Low voltage detection mode: Less than 40mA  
High voltage detection mode: Less than 40mA
- Circuit test function  
Press the Test button to make sure the whole circuit is working well before testing actual high voltage circuits.
- Optional accessory:  
HS-175 Telescopic hot stick (triangle-type)  
HS-120 Hot stick

## SPECIFICATIONS

Operating temperature	0°C~40°C
Dimensions	318(L) x 75(W) x 71(D)mm
Weight (battery included)	Approx. 227g
Power source	9V(6F22) x 1
Safety standards	EN 61326-1 EN 61000-4-2 EN 61000-4-3
Accessories	Instruction manual Carry case Battery

## APPLICATION

- Non-contact detection of live voltages
- Find faults in cables
- Check and detect live high voltage cables
- Trace live wires
- Check high frequency radiation
- Check grounding equipment
- Detect residual or induced voltages.



# Hot Stick



## HS-120

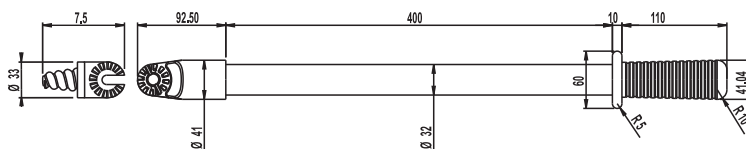
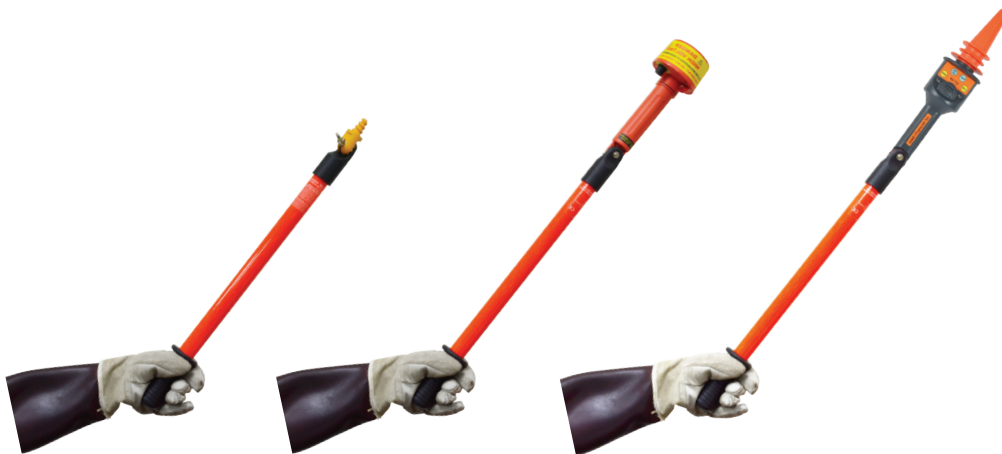
- Used for the extraction of fuses, isolators & fuse switch disconnections.
- Can be attached to the 275 HP Proximity Detectors and contact Capacitive Detectors 21× HVD.
- Universal "sunrise" head attachment to fit special tool fittings.
- Head Section rated at 100kV per 300mm (5 min).
- Comes complete with sunrise fitting and fuse extractor.
- 3 × 1.8 meter sticks; 1 × 1.2 meter head section.
- Sticks 1 × 1.2 meter head section complete with universal sunrise fitting.
- 1 × carry bag.
- Meets IEC 60855.



**HOK-HS166**  
Disconnect hook  
(Optional)



**ADP-HS120**  
Fuse extractor head



## HS-500

The Hot Sticks can be attached to the Proximity Detectors 275 HP and 277 HP.

### CAUTION

Please keep in your mind to wear high insulating gloves when you detect high voltages with HS-500 and Non-contact H.V. Detector.



# TELESCOPIC HOT STICK

- Triangular-shaped design keeps the sections aligned during extension and retraction.
- Push button release for stick extension and retraction.
- Telescopic design allows for easy assembly, storage and transportation.
- Withstands voltage rating of 100kV from 30cm for 5 minutes.
- Universal end fitting accepts a wide variety of standard attachments.
- Highly visible yellow tip section.
- Easy-to-replace sections.



\*High voltage detectors sold separately.

The HS-175 Telescopic Hot Stick provides maximum flexibility and access for  
linesman needing to access electrical systems from a working distance.



STANDARD ELECTRIC WORKS CO., LTD.  
[www.sew.com.tw](http://www.sew.com.tw)

Model  
**HS-175 Series**



# TELESCOPIC HOT STICK

The HS-175 Telescopic Hot Stick provides maximum flexibility and access for linesman needing to access electrical systems from a working distance. Its unique triangular design allows for easy operation without compromising strength and durability. The HS-175 has been designed to telescopically extend and retract into itself with integrated locking buttons. All sections are made from high grade electrical rated fiberglass.

## FEATURES

- Triangular-shaped design keeps the sections aligned during extension and retraction.
- Push button release for stick extension and retraction.
- Telescopic design allows for easy assembly, storage and transportation.
- Withstands voltage rating of 100kV from 30cm for 5 minutes.
- Universal end fitting accepts a wide variety of standard attachments.
- Highly visible yellow tip section.
- Easy-to-replace sections.
- Carrying bag included.
- Optional integrated height measurement scale.
- Complies with IEC 62193 safety standard.

## APPLICATIONS

- Voltage detection
- Opening and closing switches
- Overhead switch operation
- Fuse replacement
- Lamp replacement
- Cleaning electrical fittings
- Installation of temporary clamps
- Tree trimming

### + Detailed Features

- Padded Canvas Storage Bag**
- Rubber hook latch**  
For securing the sticks in a retracted position during storage or transportation
- Universal Sunrise Fitting head**  
For securing accessory attachments
- Push button feature**  
For extending and collapsing the stick
- Ergonomic**  
Triangular-shaped stick design provides for better gripping and carrying
- Integrated Base Cap**  
Feature provides added insulation and prevents slippage

### + Accessories

Disconnect hook (Included)      Fuse extractor head (Optional)

Model	HS-175-3	HS-175-4	HS-175-5	HS-175-6	HS-175-7	HS-175-8	HS-175-9
Sections	3	4	5	6	7	8	9
Extended Length (m)	3.82	5.10	6.42	7.78	9.18	10.62	12.09
Retracted Length (m)	1.48	1.53	1.58	1.63	1.68	1.73	1.78
Stick Width (mm)	37.8	41.8	45.3	49.5	53	57.5	61.5
Weight (kg)	1.85	2.40	3.10	3.85	4.70	5.90	6.90

\* NOTE: Dimension lengths are approximate and may have a variance of  $\pm 0.05m$ .