

# SEW

## MULTI-PURPOSE DIGITAL HIGH VOLTAGE PHASING METER



- AC 50kV and DC 50kV measurement with direct reading.
- 4000-count LCD.
- Input impedance : 400 Mohm
- Auto-ranging :  
AC : 4.000kV / 40.00kV / 50.0kV  
DC : 4.000kV / 40.00kV / 50.0kV
- MDP-50K must be connected with an approved hot stick, such as HS-175, HS-120.
- Check phases are "in-phase" or "out of phase".
- Polarity indication : Positive / Negative
- Backlight function.
- Auto power off.
- Power source : 1.5V(AA) alkaline battery × 2.
- Low battery indication(Multi-level).
- Protection class : IP66

## SPECIFICATIONS

### AC Voltage

Ranges	Resolution
4.000 kV	0.001 kV
40.00 kV	0.01 kV
50.0 kV	0.1 kV
<b>Accuracy</b>	
0 ~ 4 kV	$\pm(2.5\%rdg+0.1kV)$
4 kV ~ 50 kV	$\pm(2.5\%rdg+2dgt)$

### DC Voltage

Ranges	Resolution
4.000 kV	0.001 kV
40.00 kV	0.01 kV
50.0 kV	0.1 kV
<b>Accuracy</b>	
0~20 kV	$\pm(2.0\%rdg+0.08kV)$
20 kV ~ 50 kV	$\pm(3.0\%rdg+0.1kV)$

### General

Low battery indication	√ (Multi-level)
Operating temperature & humidity	0°C~40°C, 80% Max.
Storage temperature & humidity	-10°C~50°C, 80% Max.
Dimensions	Master stick : 490(L) × 101(W) × 118(D)mm Slave stick : 490(L) × 35(W) × 35(D)mm
Weight (battery included)	Approx. 1.35kg
Power source	1.5V (AA) Alkaline battery × 2
Accessories	Instruction manual "Y" contact electrode × 2 Test hook(contact electrode)× 2 Insulated rod × 2 Alkaline batteries Carry case Piercing tip × 2(Optional)

## INSTRUMENT LAYOUT

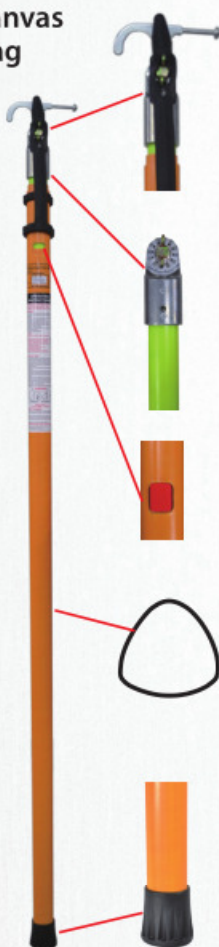


- ① LCD
- ② ON/OFF Button
- ③ ☀ Backlight Button
- ④ AC/DC Button
- ⑤ Master Stick
- ⑥ Slave Stick
- ⑦ Adapter End
- ⑧ Battery Cover



## HS-175 (Optional)

**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

## HS-120R (Optional)



- Single foamed hot stick.
- Universal sunrise fitting on the head to fit special tool fittings.
- Rated at 100kV per 300mm (5 minutes).
- Can be connected to MDP-50K digital high voltage phasing meter.
- Reasonable price.



- ADP-HS120 Fuse extractor head



- HOK-HS166 Disconnect hook (Optional)

Model	HS-175-3	HS-175-4	HS-175-5
Sections	3	4	5
Extended Length (m)	3.82	5.10	6.42
Retracted Length (m)	1.48	1.53	1.58
Stick Width (mm)	37.8	41.8	45.3
Weight (kg)	1.85	2.40	3.10

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



- MDP-50K must be connected with an approved hot stick, such as HS-175, HS-120R to do the high voltage measurement.



## ACCESSORIES

