

**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, HS-120R.
- Polarity indication : Positive / Negative
- Meets IEC 61243-2 for the range of 1~36kV.
- Backlight function.
- Auto power off.
- Power source : 1.5V(AA) alkaline battery × 2.
- Low battery indication(Multi-level).
- Protection class : IP66

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

Model  
**MDP-50K**

## 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 ~ 30 kV	±(4.0%rdg+0.1kV)
30 kV ~ 50 kV	±(5.0%rdg+0.5kV)

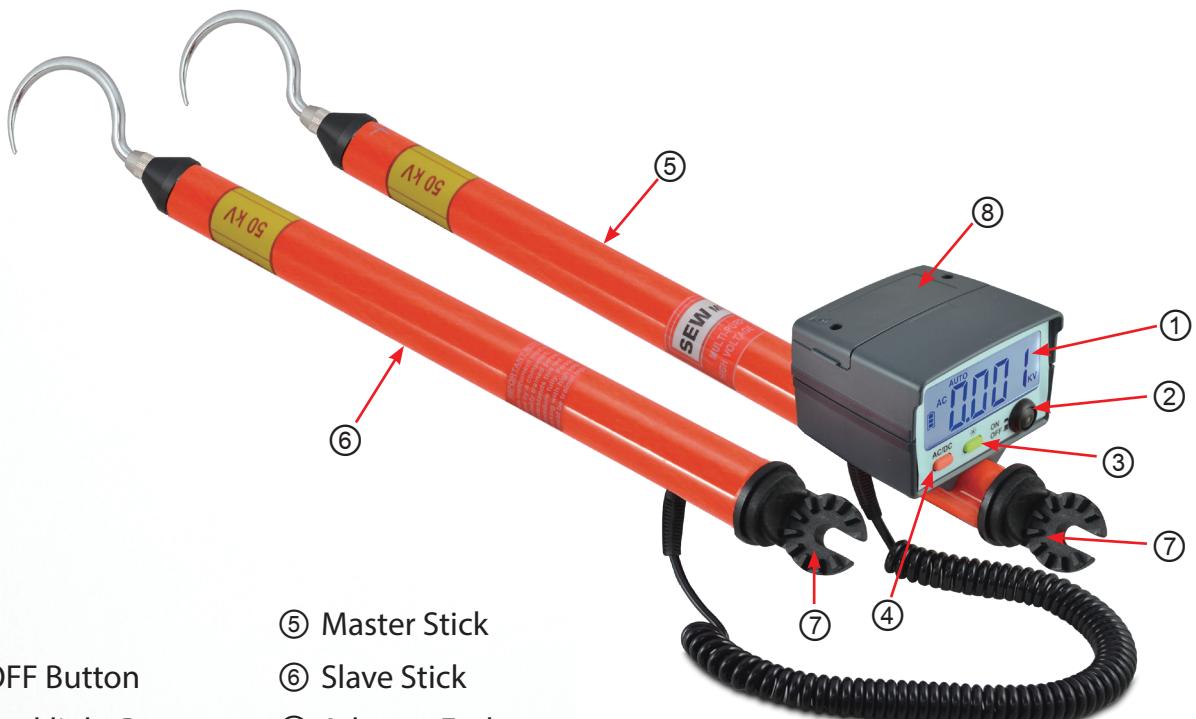
### DC Voltage

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	±(2.0%rdg+0.08kV)
20 kV ~ 50 kV	±(3.0%rdg+0.1kV)

### General

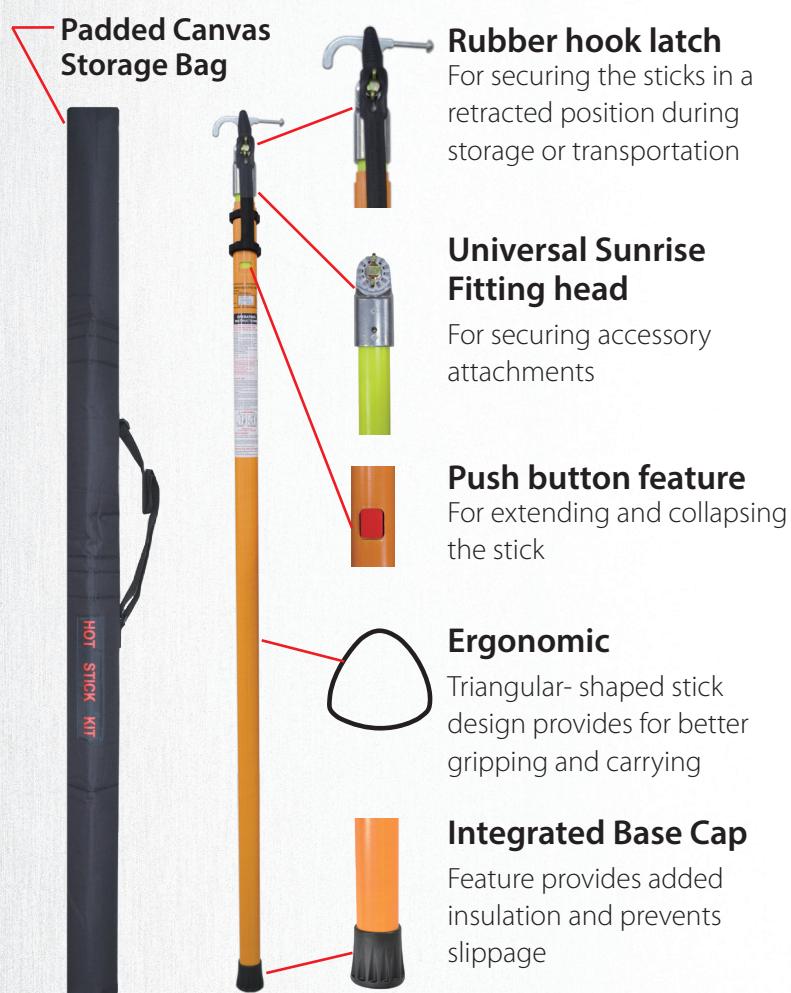
Low battery indication	✓ (Multi-level)
Operating temperature & humidity	0°C~40°C, 80% Max.
Storage temperature & humidity	-10°C~50°C, 80% Max.
Dimensions	Master stick : 490(L) × 101(W) × 118(D)mm Slave stick : 490(L) × 35(W) × 35(D)mm
Weight (battery included)	Approx. 1.35kg
Power source	1.5V (AA) Alkaline battery × 2
Accessories	Instruction manual "Y" contact electrode × 2 Test hook(contact electrode)× 2 Insulated rod (HS-500) × 2 Alkaline batteries Carry case Piercing tip × 2

## INSTRUMENT LAYOUT



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

## HS-175 (Optional)

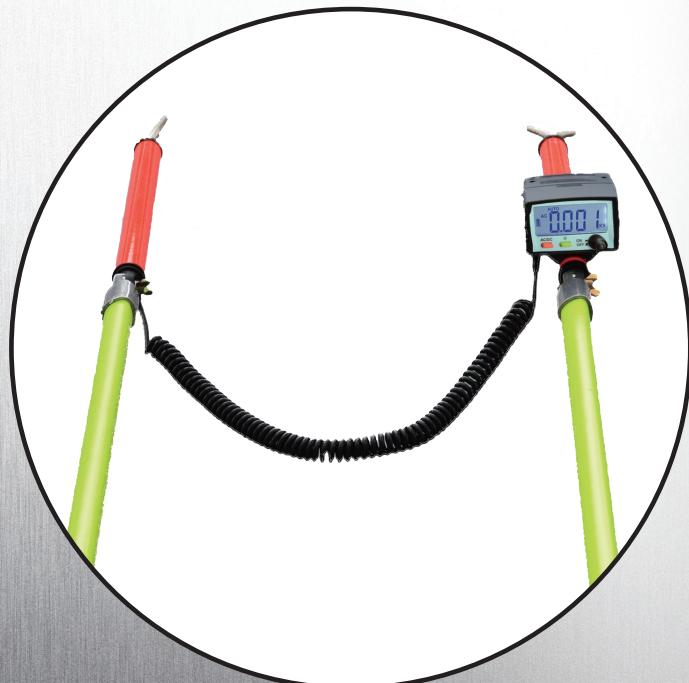


## HS-120R (Optional)

- 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  $\pm 0.05\text{m}$ .



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

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## ACCESSORIES

