



Model HMDP-50K

Multi-purpose Digital H.V. Phasing Meter



IP66

CE

Carry case (TOC-MDP50K)

Features

- 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.
- Low battery indication(Multi-level).
- Protection class : IP66

Specifications

AC Voltage

Ranges: 4.000 kV / 40.00 kV / 50.0 kV.
Resolution: 0.001 kV / 0.01 kV / 0.1 kV.
Accuracy: 0 ~ 30 kV: $\pm(4.0\%rdg+0.1kV)$
30 kV ~ 50 kV: $\pm(5.0\%rdg+0.5kV)$

DC Voltage

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

General

Low battery indication: $\sqrt{\quad}$ (Multi-level)
Operating temp. & humidity: 0°C~40°C, 80% Max.
Storage temp. & humidity: -10°C~50°C, 80% Max.

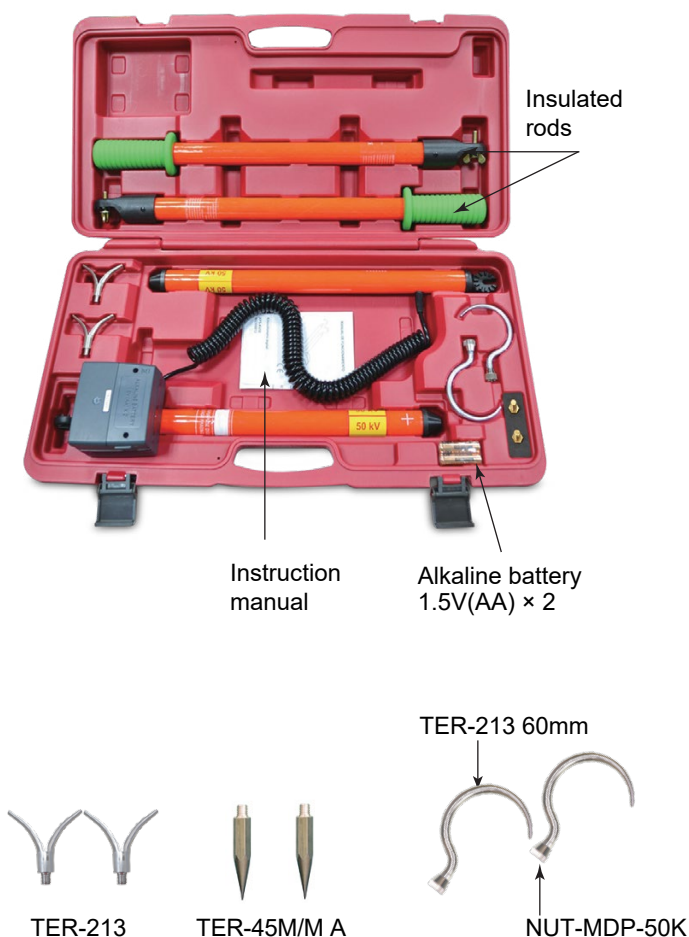
Dimensions

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, Piercing tip × 2, Alkaline batteries, Carry case.



TER-213

TER-45M/M A

TER-213 60mm

NUT-MDP-50K



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Instrument Layout



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 HMDP-50K digital high voltage phasing meter.
- Reasonable price.



• ADP-HS120
Fuse extractor
head



• HOK-HS166
Disconnect hook
(Optional)

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



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

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 $\pm 0.05\text{m}$.