

高電壓衰減測試計

HIGH VOLTAGE PROBE METER

● 用途

高電壓檢測桿是根據VDE0681·PART5的規範而設計的，具有判定相位和作接觸式量測電壓的功能。量測的系統電壓可到達44kV。它的型號有五種：PC7K、PC11K、PC22K、PC33K和PC44K。

● 材質

為顧及使用者的方便和維護人身安全，所使用的材質，重量輕而且堅固。PCxxK的測試端桿使用絕緣良好的玻璃纖維，手持端桿使用環氧樹脂，手把部份並被覆橡膠。前二項材質經過台灣大電力研究試驗中心的耐壓測試合格。

● 外觀

高電壓檢測桿的儀表使用有顏色的刻度板，便於識讀。在使用時，不需要搭配其它的配件，也不必使用電池提供電源，採用接觸量測即可。持桿上並貼有標幟，供使用者識讀與提醒。

● 使用場所

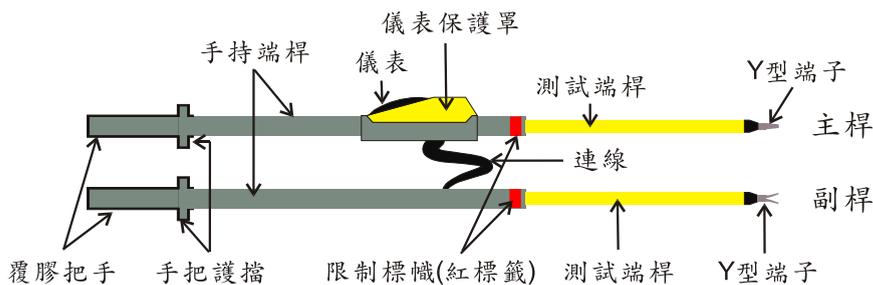
適用於室內和室外的乾燥處所，在雨天和潮溼的狀況下，請勿使用，以免危及人身安全。

● 攜帶箱

高電壓檢測桿配置有攜帶箱。攜帶箱設計精美、輕便、耐震、耐撞而實用，運輸儲藏，十分方便。



PC7K
PC11K
PC22K
PC33K
PC44K



型號	PC7K	PC11K	PC22K	PC33K	PC44K
阻值	4.48MΩ	6.78MΩ	10.82MΩ	19.68MΩ	26.8MΩ
反應時間	小於1秒	小於1秒	小於1秒	小於1秒	小於1秒
氬燈始亮電壓	1.2kV	1.2kV	1.2kV	1.2kV	1.2kV
氬燈滿亮電壓	1.5kV	1.5kV	1.5kV	1.5kV	1.5kV
手持端桿長度	775mm	775mm	775mm	775mm	775mm
測試端桿長度	400mm	400mm	500mm	665mm	820mm
檢測桿總長度	1.175公尺	1.175公尺	1.275公尺	1.440公尺	1.595公尺
重量	約2.1公斤	約2.1公斤	約2.2公斤	約2.4公斤	約2.5公斤
操作溫度	-20°C ~ 55°C				
操作濕度	20 ~ 85%相對濕度				
材質	測試端桿—玻璃纖維。 手持端桿—環氧樹脂。 100kV/30公分 5分鐘耐壓試驗合格。				

型號	量測系統電壓	滿刻度電壓	量測最大電壓	指示方式
PC 7K	6.6 kV	8 kV	9 kV	氬燈及儀表指示
PC 11K	11 kV	12 kV	15 kV	氬燈及儀表指示
PC 22K	22 kV	24 kV	30 kV	氬燈及儀表指示
PC 33K	33 kV	36 kV	40 kV	氬燈及儀表指示
PC 44K	44 kV	48 kV	55 kV	氬燈及儀表指示



STANDARD

Test & Measuring Instruments

HIGH VOLTAGE MULTIFUNCTION PHASING STICKS



PC 7K
PC11K
PC22K
PC33K
PC44K



The NEW PC range of Multifunction Phasing Sticks utilizes a long established technique to detect and measure High Voltages and perform phasing tests. These Dual Poles instruments incorporates modern, high quality glass fiber front end, composite polyurethane main body molding to give tough and very light weight construction and superior safety features. They have Analog Color Coded Dual Scales and Neon indication.

They are practical and efficient. Because of their multifunction capabilities, you do not need to buy separates instruments, You can therefore stay within your budget without compromise.

They are supplied complete with instruction manual and two FACTORY test report certificates and, optionally, a calibration certificate. They are housed in a superb High Quality modern Plastic Case with shock absorbing foam. The New PS range is self powered and does not requires battery. They are suitable for indoor and outdoor use (in dry weather). They do not require dismantling or re-assembling and do not have any user's assembled parts, so eliminating the risks of assembly mistake and accidents during High Voltage Work in a breakdown situation.

The NEW PC range does not have any dangerous, user selectable/ assembled metal parts exposed to high voltage, thus, the user can't be exposed to lethal voltage while handling or testing with the new PC range. They are over-designed for increased user protection and are lighter than any other sticks on the market today. The indicator has been screened for high immunity to interference fields.

They determine the voltage and positively identify phases up to 44kV. We have measuring ranges from 6.6kV up to 44kV systems but others voltages can be manufactured on request.

Fiberglass is of hot stick quality and tested to IEC specs (100kV / 300mm for 1 min). All front end (resistors) are encapsulated. These analog Multifunction Phasing Sticks are ideally suited for testing of grounded or ungrounded systems. Important applications include checking voltage fuses, testing for correct phase connections, and for absence of high voltage on de-energized lines or apparatus. The Dual scale read direct (no multiplier) in kVac or in % of full scale and is color coded (Green = in phase Red = out of phase). A Bright neon is included on the scale for easy visibility indoor and it has dual purpose. The neon is also a detector and start to lit when the voltage across the poles is higher than 1200Vac. In case of unlikely failure of the analog scale indicator, the neon can be used as voltage detector.

Our Manufacturing process and method ensure that every product is not just fully functional and calibrated after the assembly lines, but also within tight specifications tolerances before leaving the strict quality control of the factory. They are then re-checked, re-calibrated (optionally) and certified by an independent recognized authority. All our PC testers are versatile and single range for added safety. They have low metal content and nylon is used wherever possible. They are equipped with two fixed-length poles connected by a strong flexible, insulated cable. Hand guards are standard on all models. They are easy to handle, light weight, well insulated and designed to ensure maximum operator safety.

FEATURES

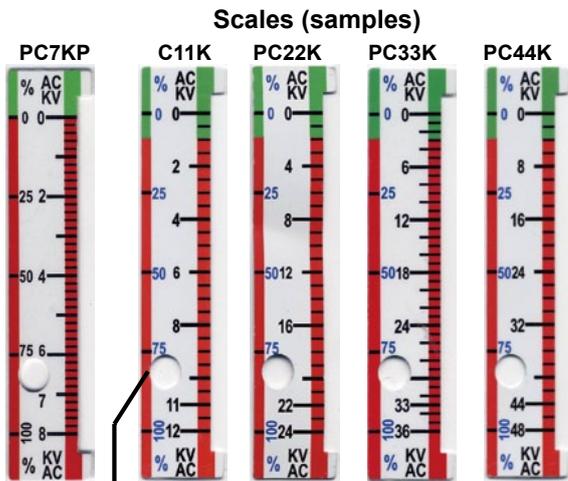
- No user assembled parts.
- Dual color-coded scale (% , Vac).
- Neon indicator when >1200Vac.
- Lightweight, robust & compact.
- Carry case included.
- Compare between phases.
- Measure and test phase to earth.
- High quality fibreglass wound rod.
- Self powered operation. No battery required.
- DC version available.
- Measure phase to phase.
- Hi immunity to interference fields.
- Suitable for indoor and outdoor use.
- Current is limited to ±1 milli-ampere.
- Grounded or ungrounded systems.
- Voltage Color coded -O-Y-G-B-R.
- Meets IEC 61481 : 2001 (excludes PC44k).

This NEW PC range of High Voltage Multifunction Phasing Sticks are : all-in-one, a Phase Comparator with color coded scale indication, a Voltage Detector with Neon Indication and a Scaled Voltmeter.

They are available in five models for applications up to 44kV systems (6.6kV, 11kV, 22kV, 33kV and 44kV).

<http://www.51082245.com/sew.htm>

HIGH VOLTAGE MULTIFUNCTION PHASING STICKS



Neon Indicator

Range of Models

- Models are available to cover system voltages from 1kV to 44kV @50 or 60Hz.
- Contact the factory for information on models suitable for other Voltages.
- All models have Neon and Analog panel Meter Indicators.
- The following models are available as standard Instruments:

Model	System Voltage voltage	Full Scale Voltage	Maximum Voltage
PC7K	6.6kV	8kV	9kV
PC11K	11kV	12kV	15kV
PC22K	22kV	24kV	30kV
PC33K	33kV	36kV	40kV
PC44K	44kV	48kV	55kV

SPECIFICATIONS

Electrical	PC7K	PC11K	PC22K	PC33K	PC44K
Total Resistance	4.48MΩ	6.78MΩ	10.82MΩ	19.68MΩ	26.8MΩ
Response time	<1Sec	<1Sec	<1Sec	<1Sec	<1Sec
Neon Threshold	1.2kV	1.2kV	1.2kV	1.2kV	1.2kV
Neon Lit Fully @	1.5kV	1.5kV	1.5kV	1.5kV	1.5kV

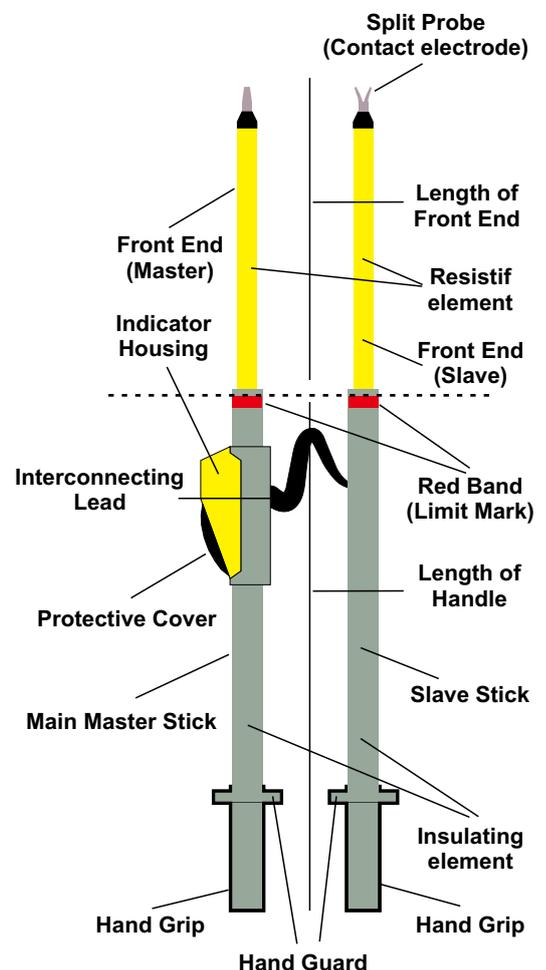
Mechanical	PC7K	PC11K	PC22K	PC33K	PC44K
Lenght of Handle	775mm	775mm	775mm	775mm	775mm
Lenght Front End	400mm	400mm	500mm	665mm	820mm
Total Lenght	1.175m	1.175m	1.275m	1.440m	1.595m
Total Weight	2.1kg	2.1kg	2.2kg	2.4kg	2.5kg

Handle Materia Composite Material with Polyurethane
 Front Endl Fiber Glass Wound Tubing

Environmental

Operating Temperature: -25°C to + 50°C
 Operating Humidity: 20 to 96% RH.

Due to our policy of constant improvement and development, we reserve the right to change specifications without notice. Contact the factory for the latest product specifications.



HIGH VOLTAGE MULTIFUNCTION PHASING STICKS

ACCESSORIES(OPTIONAL):

The Piercing Tips are utilized to pierce through Silicon, Silicon, Silicon grease or Insulating Material when required.

