

Model: 90xxKB Series



9007KB

9011KB

9022KB

9033KB

9044KB

Features:

- Designed to Exceeds VDE 0681 part 5.
- No user's assembled parts.
- Dual Color Coded Scale (% , Vac).
- Neon indicator lit when >1200Vac.
- Light weight, Robust & Compact.
- Carry Case included.
- Compare between Phases.
- Measure and test Phase to Earth.
- High Quality Fibreglass wound Rod.
- Self Powered operation -No Battery.
- 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.
- Factory Test Certificates.
- Meets IEC 61481 : 2001

Scope of Supply:

- 1 pc H.V. Multifunction Phasing Sticks
- 1 pc Carrying case
- 1 pc Factory test report certificate
- 1 pc Instruction Manual

Technical Data:

- The 90xxKB Series 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 not just VDE0681 part 5 compliant and IEC61243-2.
- 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 90xxKB Series 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 90XXKB Series 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 90xxKB Series.
- 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 deenergized 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 rechecked, recalibrated (optionally) and certified by an independent recognized authority.
- All our 90xxKB Series 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.

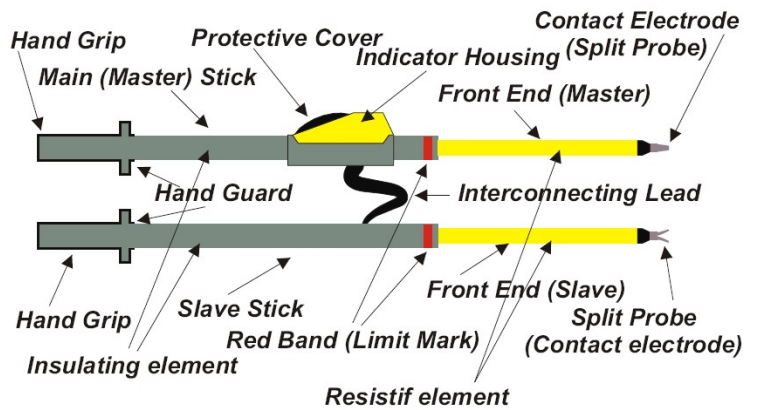
High Voltage Multifunction Phasing Sticks



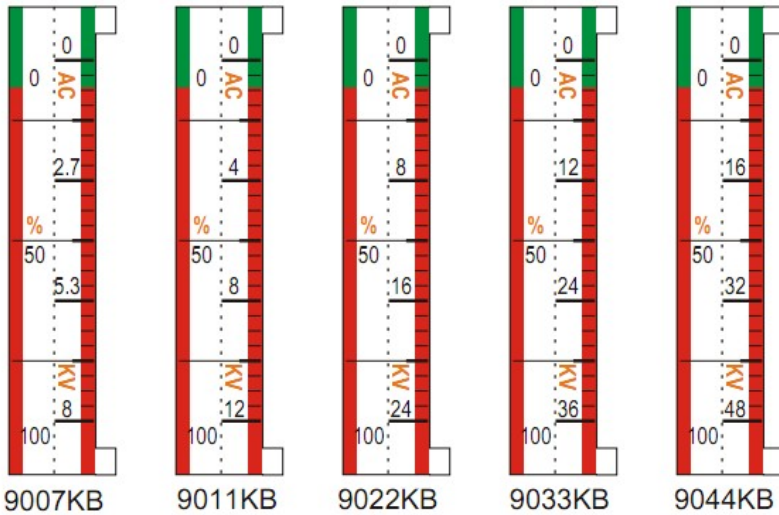
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Product structure:

Product Photo:



Scale panels:



Directions For Use:

- It is the user's responsibility to ensure that only competent personnel, with the necessary knowledge and training to work with high voltage, use and handle this equipment.
- Before using the Phase Comparators, it is recommended to check them with an High Voltage Insulation tester (if possible a variable one).
- For Phasing, it must be ensured that both feeders are in a live condition, of the same voltage and in a stable state, before commencing the phasing tests.
- The Phase Comparators comprises of two interconnected parts; these are the Master Stick, containing the indicator housing. The second stick is referred to as the slave.

Technical Data:

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System Voltage	6.6kV	11kV	22kV	33kV	44kV
Full Scale Voltage	8kV	12kV	24kV	36kV	48kV
Maximum Voltage	9kV	15kV	30kV	40kV	55kV
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
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
 Operating temperature -25°C to +55°C
 Operating Humidity 20 to 96% RH.

Vibration Resistance:

tested in accordance with IEC 68-2-6

Drop Resistance:

tested in accordance with IEC 68-2-32

Bump:

tested in accordance with IEC 68-2-2

Impact:

tested in accordance with IEC1010 Clause 8.2