

The use of Sphere Gap Apparatus is an internationally accepted and standardised method by which the distance a spark can jump in air between two spherical electrodes is used to measure high-tension voltages.



## FEATURES

- Robust 20mm aluminium chassis
- 2 x 4mm banana plug terminals
- Micrometer adjustment
- Replaceable non-ferrous sphere electrodes
- Simple set-up
- PVC support columns
- EN60052 compliant design and construction
- Ideal for testing Buckleys high-voltage AC products

## TECHNICAL SPECIFICATIONS

- Dimensions: 600mm x 430mm x 200mm
- Weight: 10.4kg
- Sphere diameter: 50.8mm
- Sphere material: Phosphor bronze
- Minimum gap size: <0.01mm
- Gap measurement range: 17mm
- Accuracy: +/-0.1mm
- Electrical connection: 4mm banana plug

**Note:** Due to ongoing technical developments, all stated information is typical and is subject to change without notice or obligation.

This apparatus has been designed and manufactured for use in accordance with **EN 60052 Voltage Measurement By Means Of Standard Air Gaps**.

We strongly advise that all tests using this apparatus are undertaken with reference to, and an understanding of, the latest version of **EN 60052**.

The apparatus is ideal for verifying the output range of high-voltage AC equipment such as Buckleys' PST-100 and ST-AC Pro' range of AC spark testers and is supplied with comprehensive assembly, set-up, calibration and adjustment instructions.

It has a measurement range of 17mm with a resolution of 0.1mm; thanks to its micrometer-screw adjuster.

Replacement non-ferrous sphere electrodes are available from Buckleys and are quick and simple to install.

## ASSOCIATED PRODUCTS



Replacement Sphere Electrodes  
5700-0256



Flexible Probe Electrode  
6005-0239



Spark Gap Setter  
6005-0064



Earth Return Lead  
6003-0017

## AFTER SALES SERVICE / TECHNICAL SUPPORT

All Buckleys products are manufactured under the controls established by a quality management system that meets the requirements of BS EN ISO 9001:2015 and are supplied with a one year 'back-to-base' warranty. The equipment is proven to be robust and reliable and will give years of service if maintained in accordance with our instructions.

Buckleys provide full repair and calibration facilities; offering a fast turn-around service for customers' equipment.

Advice on specific applications for all Buckleys products is available from our technical department. Contact us by telephone or e-mail using the contact details below.

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