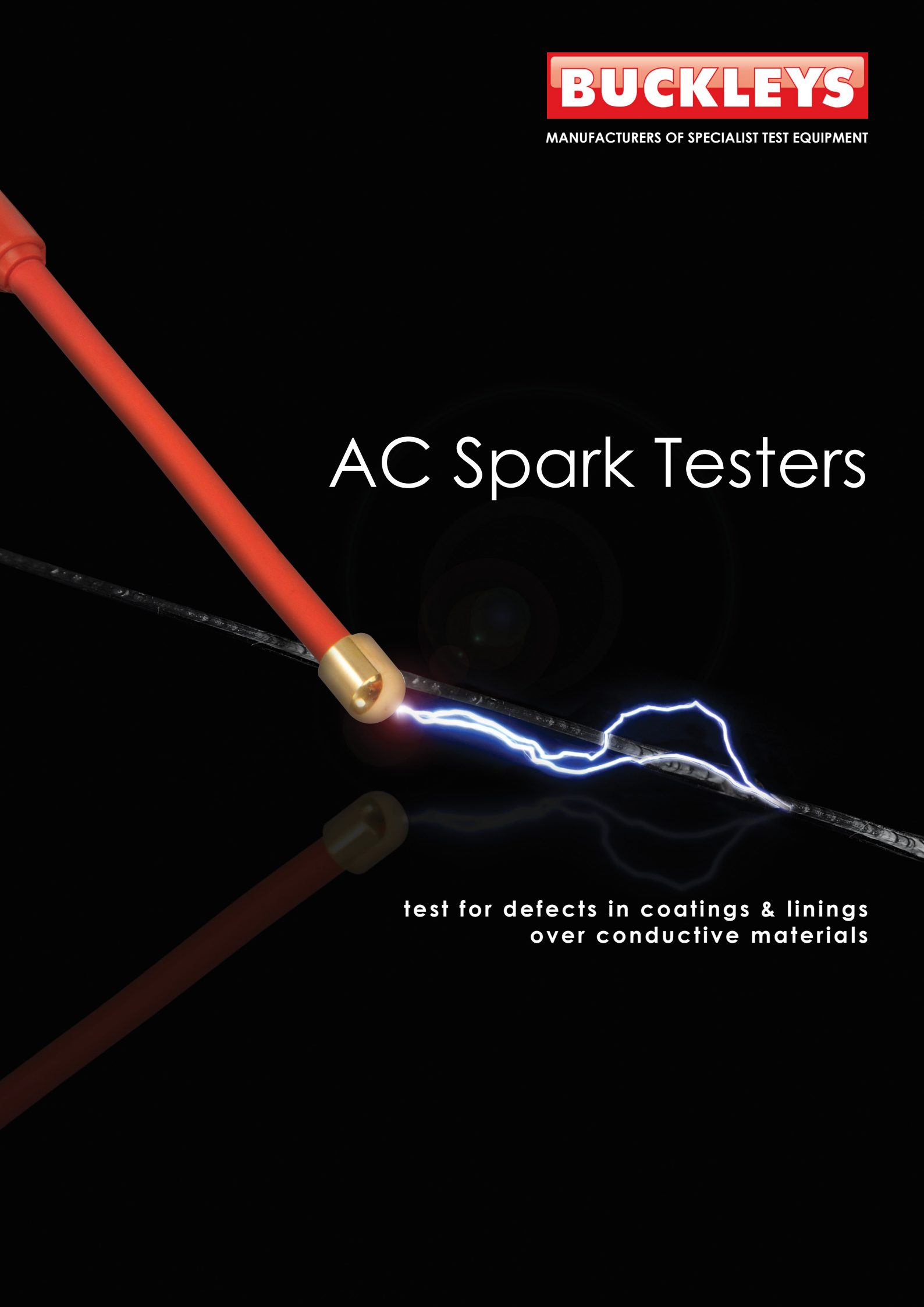


BUCKLEYS

MANUFACTURERS OF SPECIALIST TEST EQUIPMENT

AC Spark Testers

A close-up photograph of an AC spark tester. The device consists of a red handle and a brass-colored metal tip. The tip is in contact with a metal rod, and a bright blue-white spark is visible at the point of contact. The background is black, and the metal rod is reflected on a surface below it.

test for defects in coatings & linings
over conductive materials



AC Spark Testers

Buckleys manufacture two types of spark tester which provide a quick and convenient method of testing the integrity and locating defects in a variety of coatings.

Spark Testers generate AC voltages of typically between 10 and 55kV. They are used for testing thicker non-conductive coatings and linings of between 3mm and 30mm over conductive materials.

Spark Testers have no audible or visual alarms to indicate a fault and rely on the operator to observe a spark jumping through a flaw in the coating material. Due to their AC high-frequency operation they can find faults in 100% coated articles without requiring an earth-return connection.

PST-100

The PST-100 Spark Tester is a lightweight, ergonomic, hand-held spark test pistol which provides a quick and cost-effective method of inspecting thicker coatings and linings of between 3mm and 30mm.

The PST-100 creates an adjustable pulsed-ring output AC voltage from 10 to 55kV.

Two variants are available; depending on the input voltage being used; 110V or 230V AC. Both PST-100 models can be purchased on their own, as a standard kit or as a complete kit.



What's in the kit?

PST-100 - Basic kit

(110V: 6000-0015, 230V: 6000-0014)

- PST-100 spark tester unit
- 150mm long flexible probe electrode
- Operating instructions

PST-100 - Standard kit

(110V: 6000-0007, 230V: 6000-0006)

- PST-100 spark tester unit
- 150mm long flexible probe electrode
- Operating instructions
- Robust executive-style carrying case

PST-100 - Complete kit

(110V: 6000-0003, 230V: 6000-0002)

- PST-100 spark tester unit
- Executive-style case
- Spark gap setter
- Flexible probe electrode
- Pointed probe electrode
- Drum brush electrode
- 2 x 220mm insulated extension rods
- Gauze mesh electrode
- 150mm phosphor bronze brush electrode
- Electrode adaptor
- Operating instructions



ST-AC Pro'

The ST-AC Pro' Spark Tester is a compact yet robust AC spark tester which provides a convenient method of inspecting thicker coatings and linings. Coating thicknesses of between 3mm and 30mm can be tested.

The ST-AC Pro' generates a pulsed-ring output which is adjustable between 10 to 55kV. The input voltage can be switched between 110V and 230V AC via a switch on the reverse of the unit's aluminium casing.

The ST-AC Pro' comes with a 2m test probe lead, making it ideal for testing in confined or awkward spaces whilst a folding stand/carry handle makes it even more convenient and portable.

The ST-AC Pro' is available on its own or as a comprehensive kit with a range of accessories and electrodes; making it ready-to-use for most applications.

What's in the kit?



ST-AC Pro'

- Basic kit (6000-0016)

- ST-AC Pro' AC spark tester unit
- 150mm flexible probe
- 2m mains lead
- Comprehensive instruction manual



ST-AC Pro'

- Complete kit (6000-0017)

- ST-AC Pro' AC spark tester unit
- Robust transit case
- 2 x 220mm extension rods
- Spark gap setter
- Pointed probe electrode
- 150mm flexible probe electrode
- 150mm phosphor-bronze electrode
- Gauze mesh electrode
- Electrode adaptors
- Comprehensive instruction manual

Specifications

Model	Input voltage	Output voltage range	Output frequency
PST-100 (6000-0014/6000-0006/6000-0002)	230V	10kV - 55kV	100kHz ring pulsed at 50Hz @ 50Hz mains
PST-100 (6000-0015/6000-0007/6000-0003)	110V	10kV - 55kV	100kHz ring pulsed at 50Hz @ 50Hz mains
ST-AC Pro' (6000-0016/6000-0017)	110V/230V	10kV - 55kV	100kHz ring pulsed at 50Hz @ 50Hz mains

Accessories

We manufacture a wide range of accessories and electrodes; a small selection is shown below. For a comprehensive list, please visit www.buckleysinternational.com or contact our sales team.



330mm mid-section extension rod
6005-0459



330mm end-section extension rod
6005-0460



45° Gauze Mesh Electrode 128mm
6005-0376



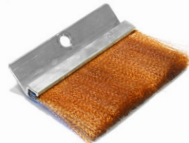
Metric - Imperial Adaptor (black)
6005-0009



Knurled Thumb-Nut & Back-Nut
6005-0465



Drum Brush Electrode
6005-0237



45° Phosphor Bronze Electrodes
6005-0102



Nose Cones
6000-0008/6000-0012



Pointed Probe Electrode
6005-0236



Spark Gap Setter
6005-0064

Also available

Buckleys' range of DC pinhole/holiday detectors are capable of testing a wide range of non-conductive coatings and linings quickly for pinholes, porosity and other faults.

Standard detector units are available individually or, alternatively, a variety of comprehensive kits are available; with a selection of widely-used accessories and electrodes to best suit the intended application; from pipeline test kits to roof-leak detection kits and much more.

Contact us for more information on Buckleys' product range, call our sales team on +44 (0)1303 278888, email sales@buckleys.co.uk or visit our website: www.buckleysinternational.com



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