

The PHD Pro2 range of high-voltage DC pinhole (or 'holiday') detectors are ideal for rapid and effective holiday testing of a range of non-conductive coatings and linings for porosity, faults and defects.



Available in 6kV, 30kV and 40kV outputs and in three kit formats (Basic, Standard/Pipeline or Complete); the PHD Pro2 caters for a variety of applications and the wide range of accessories and electrodes available allows the PHD Pro2 to adapt to specific testing requirements.

The PHD Pro2 is the result of an exhaustive research, development and design programme which brings the latest technology to the instrument along with a complete redesign of the user interface and a large multi-colour display; making navigating its menus easier than ever and the PHD Pro2 the safest, most intuitive and simple-to-use instrument Buckleys have made yet.

The PHD Pro2's robust and fully-enclosed design comes with an IP65 rating and enables it to withstand the rigours of daily use in challenging environments with ease.

\* These standards are pre-programmed and are provided for convenience. However, it is the user's responsibility to ensure that the correct settings are chosen for the intended application of this unit.

### Kits include

Item	Description	Basic Kit	Standard/Pipeline Kit	Coatings Kit
A	main detector unit (5700-0370)	✓	✓	✓
B	test probe handle and nosecone (05-6kV: 6005-0501), (1-30kV: 6005-0502), (2-40kV: 6005-0503)	✓	✓	✓
C	interconnecting lead (6005-0504)	✓	✓	✓
D	anti-static wristband (4016-0132)	✓	✓	✓
E	calibration certificate (5830-0054)	✓	✓	✓
F	150mm stainless steel drum brush electrode (6005-0237)	✓	✓	✓
G	5m earth cable on reel (6005-0073)	✓	✓	✓
H	trailing earth lead (6005-0079)	-	✓	-
I	D-cell batteries (1002-0005)	x4	-	-
J	D-cell rechargeable batteries (6005-0002)	-	x4	x4
K	battery charger with power adaptors and in-car charger (1002-0027)	-	✓	✓
L	mid-section extension rod (6005-0459)	-	✓	x2
M	end-section extension rod (6005-0460)	-	✓	✓
N	straight phosphor-bronze brush electrode (250mm - 6005-0107, 450mm - 6005-0027)	-	250mm	450mm
O	test-voltage calculator (6005-0083)	-	✓	✓
P	pair of knurled locknuts (6005-0465)	-	✓	✓
Q	rolling spring attachment shoe (5700-0541)	-	✓	-
R	pointed probe electrode (6005-0236)	-	✓	✓
S	padded carry bag with shoulder strap (6005-0456)	-	✓	✓
T	50m earth extension cable (6005-0076)	-	-	✓
U	robust black transit case (5005-0099)	✓	✓	-
V	high-visibility transit case with CNC router cut insert (6005-0457)	-	-	✓
W	150mm straight silicone rubber electrode (6005-0134)	-	-	✓

All parts available separately as accessories or spares.

### 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. Annual re-calibration is recommended. 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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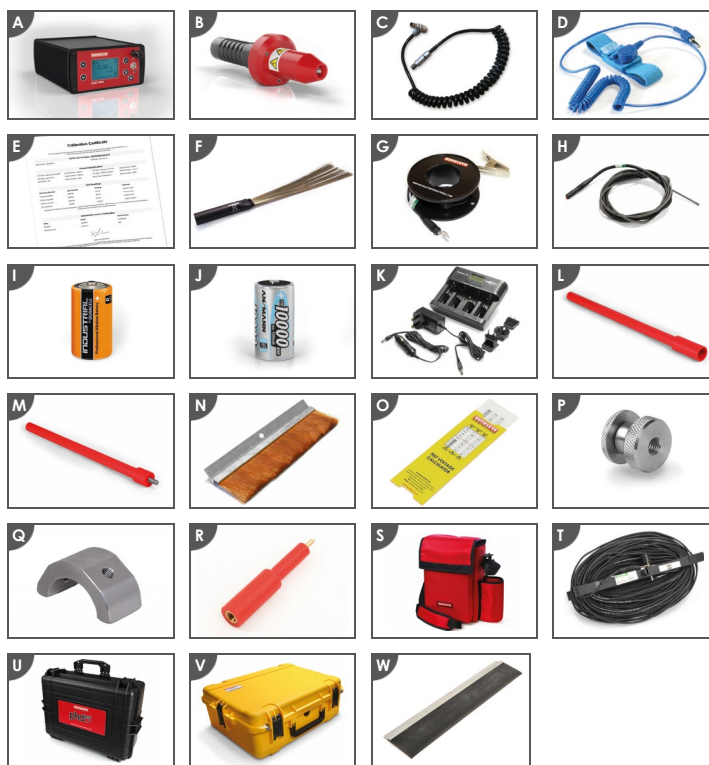
Website: [www.buckleysinternational.com](http://www.buckleysinternational.com)

### Features

- Compact and portable
- Multi-colour display
- Simple scrolling menu navigation with 12 language options
- Visual and audible alarm with volume control
- Automatic output voltage selector via a range of standards
- Accurate sensitivity control
- IP65 ingress protection rating
- Robust aluminium outer casing
- One year back-to-base warranty
- CE and UKCA approved

### Specifications

- Output voltage range:
  - 6kV models: 500V - 6kV
  - 30kV models: 0.9kV - 30kV
  - 40kV models: 0.9kV - 40kV
- Recommended coating thickness range (using NACE SP0274):
  - 6kV models: 4µm - 576µm
  - 30kV models: 13µm - 14.4mm
  - 40kV models: 13µm - 25.6mm
- Sensitivity threshold range: 10µA - 450µA (factory-set to 200µA)
- Meter accuracy: <10kV: +/- 10V. >=10kV +/- 100V
- Built-in test standards: NACE SP0274/NACE SP0490/ NACE SP0188/ ASTM D5172/ASTM G62/ISO 21809-2\*
- Unit: 1.64kg, 172 x 85 x 235mm
- Handle: 720g, 290 x 85mm
- Packed weight:
  - Basic kit: 9.4kg
  - Standard/Pipeline kit: 11.4kg
  - Coatings kit: 13.6kg
- Packed dimensions:
  - Basic kit: 580 x 440 x 250mm
  - Standard/Pipeline kit: 580 x 440 x 250mm
  - Coatings kit: 510 x 250 x 630mm
- Battery type: 4 x D-cell/LR20



### Kit Part Numbers

	Max 6kV	Max 30kV	Max 40kV
Basic Kit	6002-0080	6002-0081	6002-0082
Standard/Pipeline Kit	6002-0083	6002-0084	6002-0085
Coatings Kit	6002-0086	6002-0087	6002-0088