

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.

### Features

- Compact and portable
- Simple to use
- Multi-colour display
- Menu available in EN, FR, DE, ES, IT, PT, PI, TR, RU, NL
- Visual and audible alarm with volume control
- Automatic output voltage selector via a range of standards
- Accurate sensitivity control
- IP65 ingress protection rating
- Compatible with PHD Pro<sup>2</sup> accessories
- Robust powder-coated, cast aluminium enclosure
- One year 'back-to-base' warranty
- CE and UKCA approved

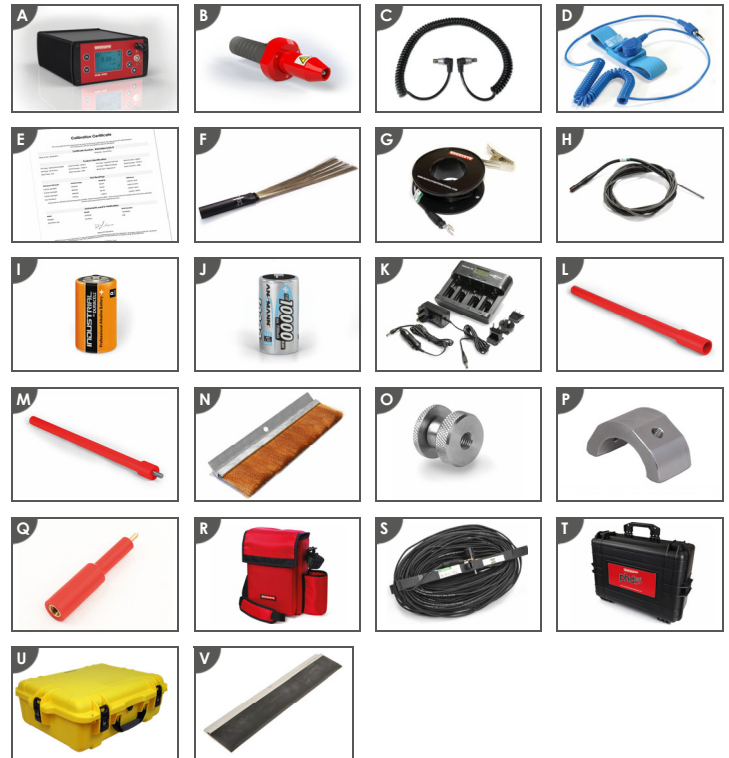
### Specifications

- Output voltage range:
  - 6kV models: 0.5kV - 6kV
  - 30kV models: 0.9kV - 30kV
  - 40kV models: 0.9kV - 40kV
- Testable thicknesses (using NACE SP0274):
  - 6kV models: Up to 576µm
  - 30kV models: Up to 14.4mm
  - 40kV models: Up to 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 D5162/ASTM G62/ISO 21809-2
- Unit: 1.64kg, 172mm x 85mm x 235mm
- Handle: 720g, 290mm x 85mm
- Packed weight:
  - Basic kit: 9.4kg
  - Standard/Pipeline kit: 11.4kg
  - Coatings kit: 13.3kg
- Packed dimensions:
  - Basic kit: 580mm x 440mm x 250mm
  - Standard/Pipeline kit: 580mm x 440mm x 250mm
  - Coatings kit: 660mm x 515mm x 230mm
- Battery type: 4 x D-cell/LR20

### Kits include

Item	Description	Basic Kit	Standard/Pipeline Kit	Coatings Kit
A	PHD Pro2 unit (6002-0104)	✓	✓	✓
B	Probe handle (05-6kV: 6005-0501), (1-30kV: 6005-0502), (2-40kV: 6005-0503)	✓	✓	✓
C	Interconnecting lead (6005-0517)	✓	✓	✓
D	ESD Anti-static wristband (4016-0132)	✓	✓	✓
E	Calibration certificate (5830-0054)	✓	✓	✓
F	150mm stainless steel drum brush electrode (6005-0237)	✓	✓	✓
G	5m earth lead on reel (6005-0073)	✓	✓	✓
H	Trailing earth lead (6005-0079)	-	✓	-
I	Batteries (1002-0005)	x4	-	-
J	Rechargeable batteries (6005-0002)	-	x4	x4
K	Battery charger (1002-0027)	-	✓	✓
L	332mm mid-section extension rod (6005-0459)	-	✓	x2
M	332mm end-section extension rod (6005-0460)	-	✓	✓
N	Phosphor-bronze brush electrode (250mm - 6005-0107, 450mm - 6005-0027)	-	250mm	450mm
O	Knurled thumb-nut & back-nut (6005-0465)	-	✓	✓
P	Rolling spring attachment shoe (5700-0541)	-	✓	-
Q	Pointed probe electrode (6005-0236)	-	-	✓
R	Padded carry bag with shoulder strap (6005-0456)	✓	✓	✓
S	50m earth extension lead (6005-0076)	-	-	✓
T	Robust black transit case (6005-0461)	✓	✓	-
U	high-visibility robust, CNC router cut foam-lined transit case (6005-0457)	-	-	✓
V	150mm straight silicone rubber electrode (6005-0134)	-	-	✓

All parts available separately as accessories or spares.



### Kit Part Numbers

	Max 6kV	Max 30kV	Max 40kV
Basic Kit	6002-0080	6002-0081	6002-0082
Standard/Pipeline Kit	6002-0083	6002-0084 NSN: 6635-99-705-4674	6002-0085 NSN: 6635-99-671-7952
Coatings Kit	6002-0086	6002-0087	6002-0088

### 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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