



BUCKLEYS

MANUFACTURERS OF SPECIALIST TEST EQUIPMENT

DRY ROOF PRO2

Flat Roof Leak Detectors

locate roof leaks in wet or dry weather conditions



wet roof^{pro}

Dry Roof Pro2

Buckleys' Dry Roof Pro2 electronic flat roof leak detector kit offers a rapid and effective method of testing a wide range of non-conductive flat roof coverings and can test up to 1000m² per hour in ideal conditions.



The Dry Roof Pro2 caters for a variety of applications and the wide range of accessories and electrodes available allows the Dry Roof Pro2 to adapt to specific testing requirements.

The Dry Roof 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 Dry Roof Pro2 the safest, most intuitive and simple-to-use instrument Buckleys have made yet.

The Dry Roof 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.

Features

- Pinpoint leaks which are too small to see with the naked eye
- Compact and portable
- Multi-colour display
- Menu available in EN, FR, DE, ES, IT, PT, PL, 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
- Robust aluminium outer casing
- One year back-to-base warranty
- Microprocessor controlled
- CE and UKCA approved



Specifications

- Output voltage range: 0.9kV – 40kV
- Recommended coating thickness range: up to 25.6mm (using NACE SP0274)
- 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 weight: 1.64kg
- Handle weight: 720g
- Packed weight: 13.3kg
- Unit dimensions: 172mm x 85mm x 235mm
- Handle dimensions: 290mm x 85mm
- Packed dimensions: 660mm x 515mm x 230mm
- Battery type: 4 x D-cell/LR20

* 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.

What's in the kit?

- Dry Roof Pro2 unit, interconnecting lead & probe handle
- 2 x 332mm mid-section extension rods
- 1 x 332mm end-section extension rod
- Knurled thumb-nut & back-nut
- 450mm phosphor-bronze brush electrode
- 150mm stainless-steel drum-brush electrode
- Pointed probe electrode
- Seam probe electrode
- Battery charger and 4 x rechargeable batteries
- 5m earth lead on reel
- 50m earth extension lead
- Padded carry bag with shoulder strap
- ESD Anti-static wristband
- Instruction manual with calibration certificate
- Supplied in high-visibility robust, CNC router cut foam-lined transit case

Wet Roof Pro'

The Wet Roof Pro' has been designed to locate leaks on flat roofing systems which incorporate dielectric membrane overlays such as single-ply, asphalt, bitumen and liquid applied roofs. The Wet Roof Pro' uses the conductive properties of water (from either rainfall or a hose) to pinpoint leaks.



The kit comprises two main elements; a generator unit and a detector unit. The generator unit creates an electrical field across the roof surface via a 'boundary wire' which is positioned around the perimeter of the test area and connected to the negative terminal on the generator unit. The positive terminal is connected to a suitable earth on the building's structure.

Leaks in the roof membrane allow water to penetrate to the building's structure; creating a short circuit. The detector unit is connected to two hand-held test probes which are held in contact with the roof surface.

Capable of testing up to 1000m² per hour, the detector unit is able to direct the operator to the exact location of a leak by measuring the voltage differential between the test probes to determine the direction of current flow.

Features

- Test up to 1000m² per hour
- Pinpoint leaks which are too small to see with the naked eye
- Directs user towards fault
- Easy to set up and use
- Test for leaks all year round
- Capable of testing any membrane thickness
- Selectable audible alarm
- Clear backlit LCD displays
- Membrane keypad operation
- Ergonomic detector case with neck strap
- Compact carry case and test probe container
- One year 'back-to-base' warranty
- Fully UKCA and CE compliant



Specifications

- Output pulse voltage: 32V DC
- Output power: <10 watts
- Max relative humidity: 80% non-condensing
- Operating altitude: Up to 2000m
- Temperature range +4°C to +40°C
- Mains voltage for charging: 100 to 240V AC 50/60 Hz
- Weights:
 - 2.1Kg (generator unit incl. batteries)
 - 0.58Kg (detector unit incl. batteries)
 - 13.4Kg (complete kit)
- Dimensions:
 - 169mm x 80mm x 235mm (generator unit)
 - 189mm x 37mm x 138mm (detector unit)
 - 660mm x 515mm x 230mm (transit case)
 - 660mm x 515mm x 230mm (full kit, packed)

What's in the kit?

- Generator unit
- Detector unit
- 10m earth lead
- 10m boundary connection lead
- 2 x multi-section test probes
- 100m stainless steel boundary wire on a reel
- Red and black test probe connecting leads
- Seam probe tool
- Rechargeable batteries and charger included
- Black carrying bag for generator
- Case with adjustable neck strap for detector unit
- Wax crayons for marking faults
- Comprehensive instruction manual
- Supplied in robust, foam-lined transit case

Typical flat roof types

Concrete roof deck

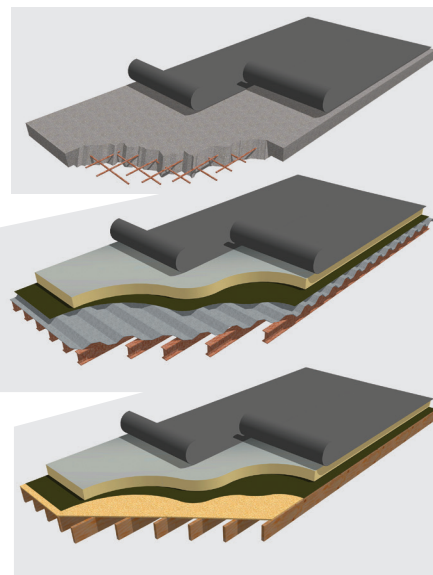
Concrete retains a surprisingly high water content. Even when concrete is 'dry', this ambient moisture content is enough to conduct current and test for leaks. Flaws in the membrane allow the detector to complete an electrical circuit to earth via the concrete and trigger the detector's alarm.

Steel roof deck

The steel structure below the roof membrane – as well as foil-faced slab insulation – conducts electrical current to earth. Faults in the membrane provide a path for current to pass through and complete an electrical circuit, triggering the alarm.

Timber roof deck

Whilst the timber structure of the roof itself is non-conductive; foil-faced insulation and water which has 'tracked' to earth through leaks will provide enough conductivity to test with the Dry Roof Pro2 or the Wet Roof Pro'. Many timber-deck roofs with foil-faced insulation have additional earth bonding to the insulation to aid the leak detection process.



Accessories



Battery Charger
1002-0027



Thumb-Nut & Back-Nut
(Dry Roof Pro2)
6005-0465



High-Visibility Transit Case
(Dry Roof Pro2)
6005-0457



Rechargeable D-Cell Battery
6005-0002



Extension Rod Mid-Section
(Dry Roof Pro2)
6005-0459



Extension Rod End-Section
(Dry Roof Pro2)
6005-0460



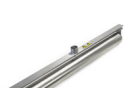
Drum Brush Electrode
(Dry Roof Pro2)
6005-0237



50m Earth Extension Lead
(Dry Roof Pro2)
6005-0076



Interconnecting Lead
(Dry Roof Pro2)
6005-0517



Roller Electrode
(Dry Roof Pro2)
5700-0035



ESD Anti-static Wristband
(Dry Roof Pro2)
4016-0132



Yellow Wax Crayons
6005-0050



Seam Probe Tool
6005-0021



Carrying Bag
(Dry Roof Pro2)
6005-0456



75mm Pointed Probe Electrode
(Dry Roof Pro2)
6005-0236



Phosphor-Bronze Electrodes
(Dry Roof Pro2)
(See Datasheet E1)



Detector Bag
(Wet Roof Pro')
6003-0026



Black 10m Earth Lead
(Wet Roof Pro')
6003-0018



Test Probe Carry Case
(Wet Roof Pro')
6003-0027



High-Visibility Transit Case
(Wet Roof Pro')
6003-0028



Red 10m Earth Lead
(Wet Roof Pro')
6003-0019



200m Stainless Steel Wire
(Wet Roof Pro')
6005-0016



Black Detector Lead
(Wet Roof Pro')
6003-0017



Red Detector Lead
(Wet Roof Pro')
6003-0016



Test Probe Tip
(Wet Roof Pro')
6003-0035



Rechargeable AA-Cell
(Wet Roof Pro')
6003-0029



Carrying Bag
(Wet Roof Pro')
6003-0025



Test Probe Extension Rod
(Wet Roof Pro')
5700-0098



Red Test Probe Handle
(Wet Roof Pro')
5700-0558



Black Test Probe Handle
(Wet Roof Pro')
5700-0557



Seam Probe Electrode
(Dry Roof Pro2)
6005-1015

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

BUCKLEYS

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