



## High Frequency Spark Testers

Our High Frequency Spark Testers WEG 100 and WEG 24.2 are designed for a quick, cost effective and nondestructive leak test on thick coatings, linings and containers. Coating thicknesses between 3 and 30 mm (WEG 100) and 1 to 30 mm (WEG 24.2) can be tested with the lightweight and ergonomically designed device. The WEG 100 and the WEG 24.2 can be used for testing of butt or overlap weldings in plastic-apparatus, tank and pipeline construction or in the chemical industry.



## Pinhole / Holiday Detectors

Our Pinhole / Holiday Detectors enable inspectors to check quickly and effectively for porosity, pinholes and other faults in a wide range of non-conductive coatings and linings.

Our units have been extensively used for many years in the petro-chemical, aerospace, pipeline construction and plastic fabrication industries. The PD-series has been specially designed to incorporate new technology and is suitable for checking coating thicknesses of between 4 microns up to 25,6 mm.



## Dry Roof Pro - flat roof leak detector

The Dry Roof Pro' flat electronic roof leak detector kit offers rapid and effective method of testing a wide range of non-conductive flat roof coverings. It detects an electrical path to earth through leaks and defects in non-conductive flat roofing finishes from 64 µm to 25.6 mm in thickness, can test up to 2,000 m² per day and battery powered and fully portable. An optical and audible alarm alerts the user to possible errors. Delivered in a practical shoulder bag and a robust carrying case.



## Wet Roof Pro

When it rains, our Wet Roof Pro will help you find the source of the leak. Ideal for use on any flat or low-pitched roof the WR Pro is designed to work specifically in wet conditions, (rainfall or a hosed down wetted test area), without the need to remove loose stone chippings, pots or paving slabs.

A carrying bag and a 200 m trace wire waterproof belongs to the scope of supply.



## Airtest

Our Airtest offers you the possibility to proof the leak testing of overlap welds with test channel a significant, economic and non-destructive test method. In accordance with the standard implementation weld defects are reliably precluded. Even if testing is not required, we recommend the air pressure test to control your quality assurance.



## Site-tensile tester

The site-tensile tester is suitable for testing geomembranes.




Peel test in accordance to DVS 2225-4/2226-3 and tensile tests as per DVS 2203-2 can be performed.





Accessories High Frequency Spark Testers and Pinhole / Holiday Detectors

Item no.	Description
23379	Flexible electrode, 150 mm long, M8 connecting thread
30190	Steel brush electrode, 150 mm long, M8 connecting thread
23380	Bronze brush electrode, 250 mm wide, M8 connecting thread
23433	Bronze brush electrode, 600 mm wide, without adapter
25570	Bronze brush electrode, 400 mm wide, without adapter
25562	Roller Electrode, 500 mm wide
23377	Mesh wire electrode, 250 mm wide, M8 connecting thread
23381	Short pointed electrode, 75 mm long, M8 connecting thread
32013	332 mm insulated end-section extension rod
32014	332 mm insulated mid-section extension rod
32018	Test voltage calculator


## Pinhole / Holiday Detectors

			
Technical Data	PHD Pro 6	PHD Pro 30	PHD Pro 40
Output voltage range:	0,5 up to 6 kV DC	1 up to 30 kV DC	2 up to 40 kV DC
Adjustable DC alarm sensitivity:	10 up to 450 µA	10 up to 450 µA	10 up to 450 µA
Material thickness (mm):	4 up to 576 µm	0,016 up to 14,4 mm	0,064 up to 25,6 mm
Operating time (unit fitted with 10000 mAh NiMH cells):	16 hrs.	10 hrs.	8 hrs.
Test voltage formula:	NACE SP0274	NACE SP0274	NACE SP0274
Weight:	1,6 kg	1,6 kg	1,6 kg
Dimensions (L x H x W mm):	172 x 85 x 235	172 x 85 x 235	172 x 85 x 235
Mark of conformity:	CE	CE	CE
Basic-Kit:	Item no. 32002	Item no. 32005	Item no. 32008
	Consisting of: 1 x PHD Pro 6 DC holiday detector unit 1 x Test probe handle 1 x Coiled interconnecting lead 1 x Drum brush electrode 1 x Set of 4 alkaline batteries 1 x 5 m earth lead on reel 1 x ESD anti-static wrist band 1 x User instruction manual 1 x Calibration certificate Supplied in a protective executive-style case	Consisting of: 1 x PHD Pro 30 DC holiday detector unit 1 x Test probe handle 1 x Coiled interconnecting lead 1 x Drum brush electrode 1 x Set of 4 alkaline batteries 1 x 5 m earth lead on reel 1 x ESD anti-static wrist band 1 x User instruction manual 1 x Calibration certificate Supplied in a protective executive-style case	Consisting of: 1 x PHD Pro 40 DC holiday detector unit 1 x Test probe handle 1 x Coiled interconnecting lead 1 x Drum brush electrode 1 x Set of 4 alkaline batteries 1 x 5 m earth lead on reel 1 x ESD anti-static wrist band 1 x User instruction manual 1 x Calibration certificate Supplied in a protective executive-style case
Standard Kit:	Item no. 32003	Item no. 32006	Item no. 32009
	Consisting of: 1 x PHD Pro 6 holiday detector 1 x Test probe handle & interconnecting lead 1 x Drum brush electrode 4 x rechargeable D-cell batteries and charger 1 x 5 m earth lead on reel 1 x ESD anti-static wrist band 1 x Trailing earth lead 1 x 332 mm insulated mid-section extension rod 1 x 332 mm insulated end-section extension rod 1 x Rolling spring electrode shoe & knurled locknut 1 x 250 mm phosphor-bronze brush electrode 1x Test voltage calculator 1 x Carry bag with shoulder strap 1 x Instruction manual, calibration certificate Supplied in a protective executive-style case	Consisting of: 1 x PHD Pro 30 holiday detector 1 x Test probe handle & interconnecting lead 1 x Drum brush electrode 4 x rechargeable D-cell batteries and charger 1 x 5 m earth lead on reel 1 x ESD anti-static wrist band 1 x Trailing earth lead 1 x 332 mm insulated mid-section extension rod 1 x 332 mm insulated end-section extension rod 1 x Rolling spring electrode shoe & knurled locknut 1 x 250 mm phosphor-bronze brush electrode 1x Test voltage calculator 1 x Carry bag with shoulder strap 1 x Instruction manual, calibration certificate Supplied in a protective executive-style case	Consisting of: 1 x PHD Pro 40 holiday detector 1 x Test probe handle & interconnecting lead 1 x Drum brush electrode 4 x rechargeable D-cell batteries and charger 1 x 5 m earth lead on reel 1 x ESD anti-static wrist band 1 x Trailing earth lead 1 x 332 mm insulated mid-section extension rod 1 x 332 mm insulated end-section extension rod 1 x Rolling spring electrode shoe & knurled locknut 1 x 250 mm phosphor-bronze brush electrode 1x Test voltage calculator 1 x Carry bag with shoulder strap 1 x Instruction manual, calibration certificate Supplied in a protective executive-style case
Complete Kit:	Item no. 32004	Item no. 32007	Item no. 32010
	Consisting of: 1 x PHD Pro 6 holiday detector 1 x Test probe handle & interconnecting lead 1 x Drum brush electrode 4 x rechargeable D-cell batteries and charger 1 x 5 m earth lead on reel 1 x ESD anti-static wrist band 1 x 75 mm pointed probe electrode 2 x 332 mm insulated mid-section extension rod 1 x 332 mm insulated end-section extension rod 1 x 250 mm straight phosphor-bronze brush electrode (45° angled) 1 x Knurled thumb-nut & back nut (for electrode attachment) 1 x Test voltage calculator 1 x Carry bag with shoulder strap 1 x User instruction manual and calibration certificate Supplied in a robust, foam lined, high-visibility transit case	Consisting of: 1 x PHD Pro 30 holiday detector 1 x Test probe handle & interconnecting lead 1 x Drum brush electrode 4 x rechargeable D-cell batteries and charger 1 x 5 m earth lead on reel 1 x ESD anti-static wrist band 1 x 75 mm pointed probe electrode 2 x 332 mm insulated mid-section extension rod 1 x 332 mm insulated end-section extension rod 1 x 250 mm straight phosphor-bronze brush electrode (45° angled) 1 x Knurled thumb-nut & back nut (for electrode attachment) 1 x Test voltage calculator 1 x Carry bag with shoulder strap 1 x User instruction manual and calibration certificate Supplied in a robust, foam lined, high-visibility transit case	Consisting of: 1 x PHD Pro 40 holiday detector 1 x Test probe handle & interconnecting lead 1 x Drum brush electrode 4 x rechargeable D-cell batteries and charger 1 x 5 m earth lead on reel 1 x ESD anti-static wrist band 1 x 75 mm pointed probe electrode 2 x 332 mm insulated mid-section extension rod 1 x 332 mm insulated end-section extension rod 1 x 250 mm straight phosphor-bronze brush electrode (45° angled) 1 x Knurled thumb-nut & back nut (for electrode attachment) 1 x Test voltage calculator 1 x Carry bag with shoulder strap 1 x User instruction manual and calibration certificate Supplied in a robust, foam lined, high-visibility transit case


### High Frequency Spark Testers

		
	<b>WEG 100</b>	<b>WEG 24</b>
	Item no. 23389	Item no. 31214
<b>Technical Data</b>		
Power supply:	230 V 50/60 Hz	230 V 50/60 Hz (switchable to 110/120 V)
Power consumption:	30 VA	48 VA
Output voltage range:	approx. 10 – 55 kV, adjustable	approx. 10 – 55 kV, adjustable, 100 KHz
Material thickness (mm):	3 up to 30	1 up to 30
Weight:	approx. 1,5 kg	approx. 4,0 kg
Dimensions (L x H x W mm):	270 x 200 x 60	175 x 90 x 235 (without handle)
Mark of conformity:	CE	CE


### Dry Roof Pro - flat roof leak detector


	
	Item no. 32476
<b>Technical Data</b>	
Output voltage range:	2 - 40 kV DC
Adjustable DC alarm sensitivity:	10 - 450 µA
Material thickness (mm):	64 µm - 25,6 mm
Test voltage formula:	NACE SP0274
Weight:	1,6 kg
Dimensions (L x H x W mm):	172 x 85 x 235
Mark of conformity:	CE

### Wet Roof Pro

	
	<b>WR Pro</b> Item no. 28395
<b>Technical Data</b>	
Power supply:	32 V DC
Power consumption:	max. 10 W
Max. relative humidity:	80 % non-condensing
Altitude:	up to 2.000 m
Temperature range:	+4 °C up to + 40 °C
Weight generator / Weight detector:	4 kg / 240 g
Dimensions generator / Dimensions detector (L x H x W mm):	170 x 80 x 235 / 190 x 37 x 140
Mark of conformity:	CE

### Site-tensile tester

	
	Item no. 20564
<b>Technical Data</b>	
Testing basis:	DVS-R 2225, part 4, sector 6.4.3 DVS-R 2227, part 1, sector 9.4
Inspection method:	Peel test according to DVS 2225-4/2226-3 Tensile test according to DVS 2203-2
Test speed:	50 mm/min; Tolerance +/- 5,0 %
Width of probe (mm):	up to 30
Thickness of probe (mm):	up to 5
Tensile force:	2.000 N
Material of probe:	PE-HD, PE-LD
Drive:	Electromotive, 220 V, spindrive with shaft joint forward and backward motion to basic position
Fixing length (mm):	5 - 200, (clearance between the clamping jaws)
Chuck jaws:	Inner surface knurled clamping lever M10, centered clamping, lateral support of clamping jaws
Mark of conformity:	CE

	
	<b>Airstest</b> Item no. 11712
<b>Technical Data</b>	
<b>Air Compressor</b>	
Output voltage:	DC 12
Max. power input:	14 A
Flow rate:	20 l/min.
Max. pressure:	140 psi / 10 bar
Operating pressure:	100 psi / 7 bar
Temperature range:	-20 °C up to +80 °C
Weight:	approx. 2,4 kg
Mark of conformity:	CE
<b>Air Tank</b>	
Tank capacity:	5,5 l
Copression (bar):	max. 8
Mark of conformity:	CE



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