TDC ENGINEERING EXCELLENCE

TEST EQUIPMENT RENTAL SERVICES

When you rent Test Equipment from TDC, we want you to know that you will have a dedicated personal service from start to finish. Our Customer Service team is here to support you throughout your rental period.

TDC are independent specialists promoting all high quality manufacturers and instrument types. Equipment can be delivered Next Day or Same Day to suit your requirements.

When you are finished, simply contact us to arrange your equipment collection or alternatively you can despatch it back to us – we make it easy.

RENTING FROM TDC JUST MAKES SENSE

By using TDC Test Equipment Rental Solutions, you benefit from our extensive rental inventory that is second to none. We constantly refresh our equipment range with branded equipment manufacturers such as Megger, FLUKE, Chauvin Arnoux, OMICRON, FLIR, b2 HVA, Agilent Technologies, Dranetz BMI, Fujikura, JDSU, Ametek Jofra, GE DRUCK, RAE Systems, TSI Airflow, Rohde & Schwarz, NORBAR, PANAMETRICS, Tektronix and many more.

You can utilise our rental equipment to suit your own requirements, from one week to as many months as you need. You only pay for what you use down to the day. Renting with TDC is straightforward and easy. Our expert Sales and Applications Engineers will find the best solution to suit your application.

Delivery & Collection is arranged by us - we make it hassle free and easy.

TDC 6 POINT RENTAL GUARANTEE – OUR REPUTATION MATTERS

1 SAME DAY DISPATCH

Many of our customers operate to very strict deadlines. Providing the order is placed and confirmed before 3pm, your equipment will be despatched the same day.

2 QUALITY

All Equipment is checked prior to dispatch to ensure it is servicable and in safe working order. Certification checks are standard.

3 SUPPORT

We will provide you with enough information to make an informed choice of the correct equipment required for your application.

4 PRICE

We offer a simple price match promise.
We'll match any genuine competitor quote.

5 CUSTOMER SERVICE

We can promise that throughout your rental period, we will do our utmost to provide you with the best customer service. All information we provide is in good faith and free of charge. We will provide a quote for any consultancy or professional advice that may be required.

6 REPUTATION

We know we are only as good as our last job. We don't just want regular customers - we want to build loyal customers.

For all enquiries, please contact: Gordon Thow (Test Equipment Rental Manager)

t: +44 (0)1224 710077 | e: gordon.thow@tdcaberdeen.co.uk | w: www.TDCaberdeen.co.uk

a: TDC Aberdeen Ltd | Bankhead Industrial Estate | Bankhead Avenue | Bucksburn | Aberdeen | AB21 9ET

TDC **ENGINEERING EXCELLENCE**

Bankhead Industrial Estate, Aberdeen AB21 9ET
t +44 (0)1224 710077
e info@TDCaberdeen.co.uk
w www.TDCaberdeen.co.uk

SEAWARD

TEST EQUIPMENT RENTAL SERVICES

Apollo 500 Portable Appliance Tester

Datasheet

Apollo 500

A fast, great value 'plug and play' PAT tester with a comprehensive range of tests and advanced data transfer and storage features.

Apollo 500 offers fast and efficient electrical safety testing with secure and complete data management.

Designed to enable simple, professional and fast PAT testing, Apollo 500 features all of the required tests of the IET 4th Edition Code of Practice along with remote data transfer, USB upload/download and a memory to store up to 10,000 complete test sets.

With point-to-point measurement, fast boot-up and a risk-based retest calculator to quickly determine suggested retest periods, Apollo 500 is the ideal companion for high-volume testing to the 4th Edition Code of Practice.

Key Features
- High definition colour display
- Store 10,000 appliance records
- Remote data transfer from field to office
- Bluetooth connectivity
- Built in electrical risk assessment tool with suggested retest period calculator
- User configurable tests - for non-electrical tests and inspections e.g. fire extinguishers and PPE

Electrical Test Functions
- Low current earth continuity test guaranteeing accurate measurement
- Point to point testing (earth continuity and insulation resistance)
- Insulation resistance
- IEC lead test
- Protective conductor current
- Touch current
- Load power/current
- Alternative leakage current
- RCD test
- Power socket test

Apollo 500 Users
- Professional PAT Testers
- Electrical Contractors
- Facilities Managers
- Operations Managers

www.seaward.co.uk/apollo500

Tel: +44 (0) 191 587 8741
Email: sales@seaward.co.uk

▲ Fast, Reliable 'Plug and Play' Testing

Apollo 500 follows in the footsteps of Seaward's long line of trusted PAT testers, offering a comprehensive suite of fast and accurate electrical safety tests to enable any workplace appliance to be tested, including accurate and reliable earth continuity tests, 3 phase and fixed appliances as well as RCDs.

With a large colour display and intuitive menu structure, the Apollo 500 is simple to grasp. Its light weight and small size along with battery or mains power modes, a fast boot up and a handy power scavenging feature mean it is good to go in seconds; allowing more appliances to be tested without downtime for boot-up or a battery re-charge.

A built-in electrical risk assessment tool can be used to easily determine a risk-based suggested retest period in line with the IET 4th Edition Code of Practice for In-service Inspection and Testing.

For users who are responsible for recording other non-electrical tests or inspections such as fire extinguishers or ladders, the user-configurable test function enables this.

▶ Superb software for total traceability

Apollo 500 has an internal memory capable of storing up to 10,000 electrical test records. Its compatibility with Seaward's PATGuard 3 software means that complete test records are easily managed on a PC.

Transfer data to the PC remotely using the Bluetooth function and a smartphone, or download the results via a USB cable directly to a PC. Once downloaded to PATGuard 3, it is easy to keep track of the history of test and inspections as well as produce reports, certificates and invoices – offering total peace of mind and quicker, easier management of scheduling inspections and tests.

Download a free trial at **www.seaward.co.uk/pg3trial**

www.seaward.co.uk/apollo500

Tel: +44 (0) 191 587 8741
Email: sales@seaward.co.uk

◀ **Greater efficiency through useful accessories**

As with many Seaward PAT testers, the Apollo 500 is compatible with a range of printers and barcode scanners, further speeding up the process of asset recognition, testing and labelling.

Optional accessory bundles available:		Part Number
Elite Bundle	■ Test n Tag Elite 2 rugged portable printer ■ Test n Tag printer labels x 4 ■ Bluetooth barcode scanner ■ Apollo kit carry case ■ 110V adapter Includes Apollo 500 tester	380A960
Elite Bundle + Software	PLUS PATGuard 3 software 1yr licence	380A962
Pro Bundle	■ Test n Tag Pro lightweight portable printer ■ Test n Tag printer labels x 4 ■ Bluetooth barcode scanner ■ Apollo kit carry case ■ 110V adapter Includes Apollo 500 tester	380A964
Pro Bundle + Software	PLUS PATGuard 3 software 1yr licence	380A966

▶ **Accessory Bundles**

The Apollo 500 is available to buy with a selection of optional accessory bundles to help you get the most out of your tester.

Apollo 500 is supplied as standard with a UKAS calibration certificate.

Also available in this range:

Apollo 400

Simple, no-nonsense PAT tester

A straightforward electrical safety tester with QWERTY keypad for fast data entry and storage of up to 2,000 appliance records.

Ideal for mid-volume testing in compliance with the IET 4th Edition Code of Practice, the Apollo 400 offers easy and efficient data management with remote data transfer and USB downloading.

Apollo 600

Multi-tasking PAT tester with on-board camera

A multi-tasking and fully customisable PAT with additional health and safety features and on-board camera for unrivalled record keeping.

Apollo 600 includes a universal risk assessment tool and the ability to store up to 50,000 appliance records, plus 2,000 images - providing visual evidence of test environments; perfect for advanced record-keeping in organisations with high-volume workplace test and inspection routines.

SEAWARD

Apollo Series Comparison Chart

		Apollo 400	Apollo 500	Apollo 600
General Features	Battery & mains powered	■	■	■
	Colour Screen & QWERTY keypad	■	■	■
	Large internal memory	2000 records	10,000 records	50,000 records
	Scanner & printer compatible	■	■	■
	Password controlled user accounts		■	■
	Set up multiple user accounts with varying levels of privileges		■	■
	Clone facility to set up multiple testers		■	■
	Checkbox supplied as standard		■	■
	On-board user manual		■	■
Test & Inspection Features	Auto-increment asset ID		■	■
	PAT Setup option to allow for custom menus		■	■
	Enter asset description after test using keypad or barcode scanner	■	■	■
	Comprehensive electrical safety test features	■	■	■
	Point to point measurement (Rpe & IR)	■ (optional accessory required)	■	■
	User configurable electrical test/visual inspection sequences	25	100	100
	User set sites & locations	50	100	100
	Risk based retest period calculator		■	■
	User definable comments lines against test records		■	■
	Configurable checklists for any workplace test or inspection (user tests)		■	■
	On-board camera			■
	Universal risk assessment			■
	Health & safety certificates			■
Data Transfer	Bluetooth connectivity	■	■	■
	Barcode scanner connectivity	■	■	■
	Print Pass & Fail labels	■	■	■
	Add your company logo to labels		■	■
	Select from various label formats to print		■	■
	Remote data transfer via mobile device	■ (Android only)	■ (Android only)	■ (Android and iOS)
	Download to PC via USB cable	■	■	■
	Filter results to be downloaded		■	■
	Upload previous results to tester for retest		■	■
	Data transfer via USB flash drive			■

Technical Specifications

PAT TESTS

Earth Continuity
Test Current:	+/- 200mA DC
Display Range:	0.01 – 19.99Ω
Pass Value:	User Defined

Insulation Resistance
Test Voltage:	500V / 250VDC @ 1mA nominal
Display Range:	0.01MΩ - 19.99MΩ
Pass Value:	User Defined

IEC Lead Test
Test Voltage:	5VAC nominal
Test:	Live / Neutral Checks for o/c, s/c and crossed

Protective Conductor Current/Load
Test Voltage:	Supply voltage, maximum load current 16A
Display Ranges:	0.01mA to 19.99mA
Pass Value:	User Defined

Touch Current
Test Voltage:	Supply voltage, maximum load current 16A
Display Range:	0.00 – 3.50mA
Pass Value:	User defined

Load Power/Current
Test Voltage:	Supply voltage, maximum load current 16A
Test Duration:	Programmable up to a maximum of 255s depending on load. i.e. max duration is reduced for high loads.
Display Range:	0.00kVA – 4.00kVA
	0.00A – 16.00A

Alternative Leakage Current
Test Voltages:	>25VAC <50VAC
Display Range:	0.00mA to 19.99mA
Pass Value:	User Defined

RCD Test
Test Voltage:	230V + 10%, -15%
Test Current:	30mA / 150mA rms sinusoidal
Display Range:	0ms - 2000ms (30mA), 0-40ms (150mA)
Test Method:	Internal isolation to avoid tripping distribution board RCD

Power Socket Test
Voltage Range:	207V – 253VAC

Indicates configuration of voltage potential:-
Line potential phase to earth
Line potential phase to neutral
Line potential neutral to earth

General
Memory Size:	10,000 records
Weight:	1.5kg
Dimensions:	230mm x 150mm x 100mm
Power Source:	Mains or Rechargeable battery pack

Standard Accessories (supplied with Apollo 500)
Apollo checkbox
30 day free trial of PATGuard 3 software
Carry case
2x test leads and probes with crocodile clips
0.5m IEC lead
Mains power lead
USB download cable
Quick start guide
UKAS calibration certificate

Optional Accessories
Test n Tag Elite 2 Bluetooth printer with roll of large labels (339A989)
Test n Tag Elite 2 Bluetooth printer with roll of small labels (339A995)
Test n Tag Pro Bluetooth printer with roll of large labels (339A980)
Test n Tag Pro Bluetooth printer with roll of small labels (339A987)
Roll of large labels (approx. 130 off 52 x 74mm labels) (339A946)
Roll of small labels (approx. 350 off 52 x 25mm labels) (339A947)
Bluetooth barcode scanner (339A923)
110V test adaptor (270A076)
110V to IEC adapter (344A050)
3 Phase Leakage Adaptor 5 Star 16A (391A920)
3 Phase Leakage Adaptor 5 Star 32A (391A910)
3 Phase Adapter Delta 4 pin 16A 415V (for Rpe & IR) (209A910)
3 Phase Adapter Star 5 pin 16A 415V (for Rpe & IR) (209A911)
3 Phase Adapter Delta 4 pin 32A 415V (for Rpe & IR) (209A912)
3 Phase Adapter Star 5 pin 32A 415V (for Rpe & IR) (209A913)
Professional Seaward kit bag (71G109)
PATGuard 3 software – download 30 day free trial at www.seaward.co.uk/pg3trial

Part Numbers
Apollo 500 standard package: 380A913
Apollo 500 with Elite accessory bundle: 380A960
Apollo 500 with Elite accessory bundle + PATGuard 3 software: 380A962
Apollo 500 with Pro accessory bundle: 380A964
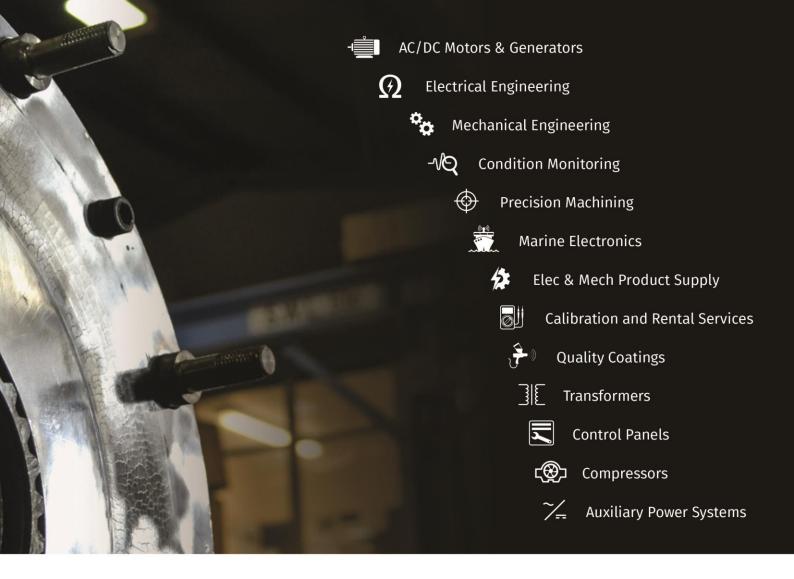Apollo 500 with Pro accessory bundle + PATGuard 3 software: 380A966

Training
Seaward offer a range of PAT testing courses, including City & Guilds. Go to www.seaward.co.uk/training for more information.

Services
2 year warranty (subject to terms and conditions, available at www.seaward.co.uk/warranty24)
Service & Calibration by Calibrationhouse
Go to www.calibrationhouse.com for more information

Rev 1.6

AC/DC Motors & Generators

Electrical Engineering

Mechanical Engineering

Condition Monitoring

Precision Machining

Marine Electronics

Elec & Mech Product Supply

Calibration and Rental Services

Quality Coatings

Transformers

Control Panels

Compressors

Auxiliary Power Systems

To differentiate our organisation in order to achieve continuous, sustainable growth, TDC endeavours to fully understand and exceed the expectations of our customers, and to work proactively to deliver Engineering Excellence.

TDC
ENGINEERING
EXCELLENCE

t: +44 (0)1224 710077 | e: info@tdcaberdeen.co.uk | w: www.TDCaberdeen.co.uk

a: TDC Aberdeen Ltd | Bankhead Industrial Estate | Bankhead Avenue | Bucksburn | Aberdeen | AB21 9ET