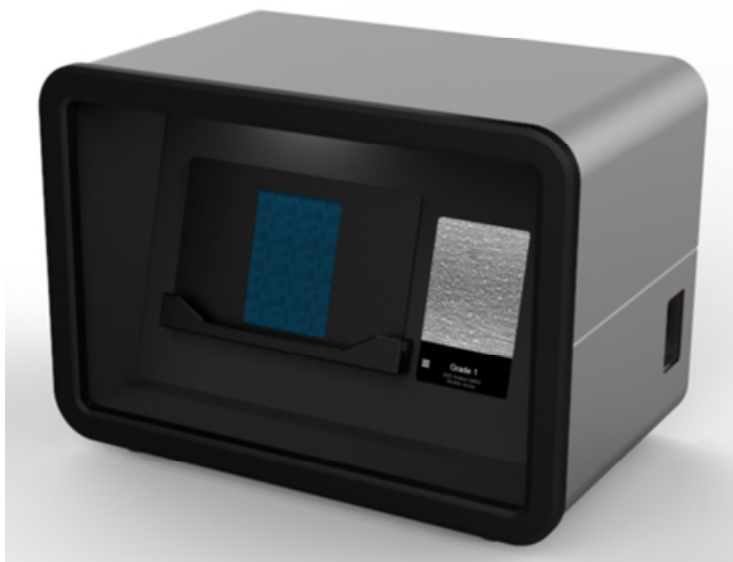


OPERATOR'S GUIDE

**ProView
Assessment Viewer**



**7" Capacitive Colour TFT
Touchscreen**

**Covering Serial Numbers
1523/15/1001
& upwards**

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JAMES HEAL

At James Heal, we are dedicated to designing and developing high precision testing instruments and test materials for physical and colour fastness testing. Our worldwide Service and Calibration division and expert technical assistance complement our product range, adding real value to your laboratory testing activities.

Setting the Standard

We are committed to forming close relationships and have established numerous partnerships within the textile industry, from trade and standards organizations, to test houses, customers and distribution partners.

With a heritage spanning more than 150 years, we have evolved and grown through a culture of continuous improvement, resulting in a thorough understanding of the applications, operating conditions and requirements of customers worldwide – from independent testing Laboratories and test houses, to fabric suppliers, manufacturers and retailers.

Using knowledge and expertise, we consistently set the industry standard through product innovation and technology, with customer and user needs, present and future, driving our technological advancements. You can be assured that with James Heal, you will always receive the highest levels of product quality and customer service. We have Agents and Distribution partners all over the globe, ensuring locally available product whenever, and wherever you need it.

Areas of Expertise

Textile: Colour Fastness

- Chlorinated Water
- Dry Cleaning
- Dry Heat
- Hot Pressing
- Laundering
- Light
- Perspiration
- Phenolic Yellowing
- Print Durability
- Rubbing
- Washing
- Water

Textile: Physical

- Abrasion
- Bursting Strength
- Compression and Puncture
- Crease and Wrinkle Recovery
- Crimp
- Drape
- Durability
- Flammability
- Mass per unit area
- Pilling and Fuzzing
- Security of Attachments
- Seam Slippage
- Shrinkage
- Snagging
- Spray Rating
- Stretch and Recovery
- Surface Deterioration
- Tear Strength
- Tensile Strength
- Washing and Drying

Non-Textile

- Bursting strength of nonwovens, plastics, paper and medical products
- Micro-scratching of laminates, wooden, painted, automotive and high gloss surfaces
- Physical and colour fastness testing of leather
- Rubbing fastness of laminates and wooden surfaces
- Tear strength of paper and plastics

INTRODUCTION

ProView Assessment Viewer

ProView has been designed with James Heal's unique product signature and has been produced completely with the user in mind. We have combined James Heal's technical and performance expertise, with intuitive design and operation to produce the most ergonomic and user friendly instrument.

Key Features

- Sleek, ergonomic design
- 7" Capacitive colour TFT touchscreen
- Pre-programmed photographic standards
- Cool white linear LED light

Service & Calibration

- Worldwide Service
- ISO 17025 based Calibration Service
- 18 Months' Warranty

Technical Assistance

- Operator Training
- Knowledge Transfer
- Applications Support
- Engineering Support

Standard Reference Photographs

- ICI Mace Snagging
- BS 8479 – SnagPod
- Plain Weave - IWS Woven SM50
- Twill Black - IWS Woven SM50
- Twill White - IWS Woven SM50
- Woven Blanket - IWS Woven SM50
- Botany Knitted - IWS Knitted SM54
- Double Jersey - IWS Knitted SM54
- Lambswool Knitted - IWS Knitted SM54
- Shetland Knitted - IWS Knitted SM54
- BS 5811 Woven
- BS 5811 Single Jersey
- BS 5811 Double Jersey

HEALTH & SAFETY

- Read this manual carefully before operating the instrument.
- ProView has a mass of approximately 20kg, therefore assistance from a colleague or suitable lifting apparatus is recommended.
- ProView complies with the [CE regulations](#) in full
- Ensure the instrument is isolated from the electrical supply before removing any covers. Covers should only be removed by a qualified Engineer or Electrician.
- Have the instrument serviced and calibrated at least once a year by a James Heal Service and Calibration Engineer.

FIRST TIME INSTALLATION

If you are commissioning the [ProView](#) unit, please read the following sections in the following order.

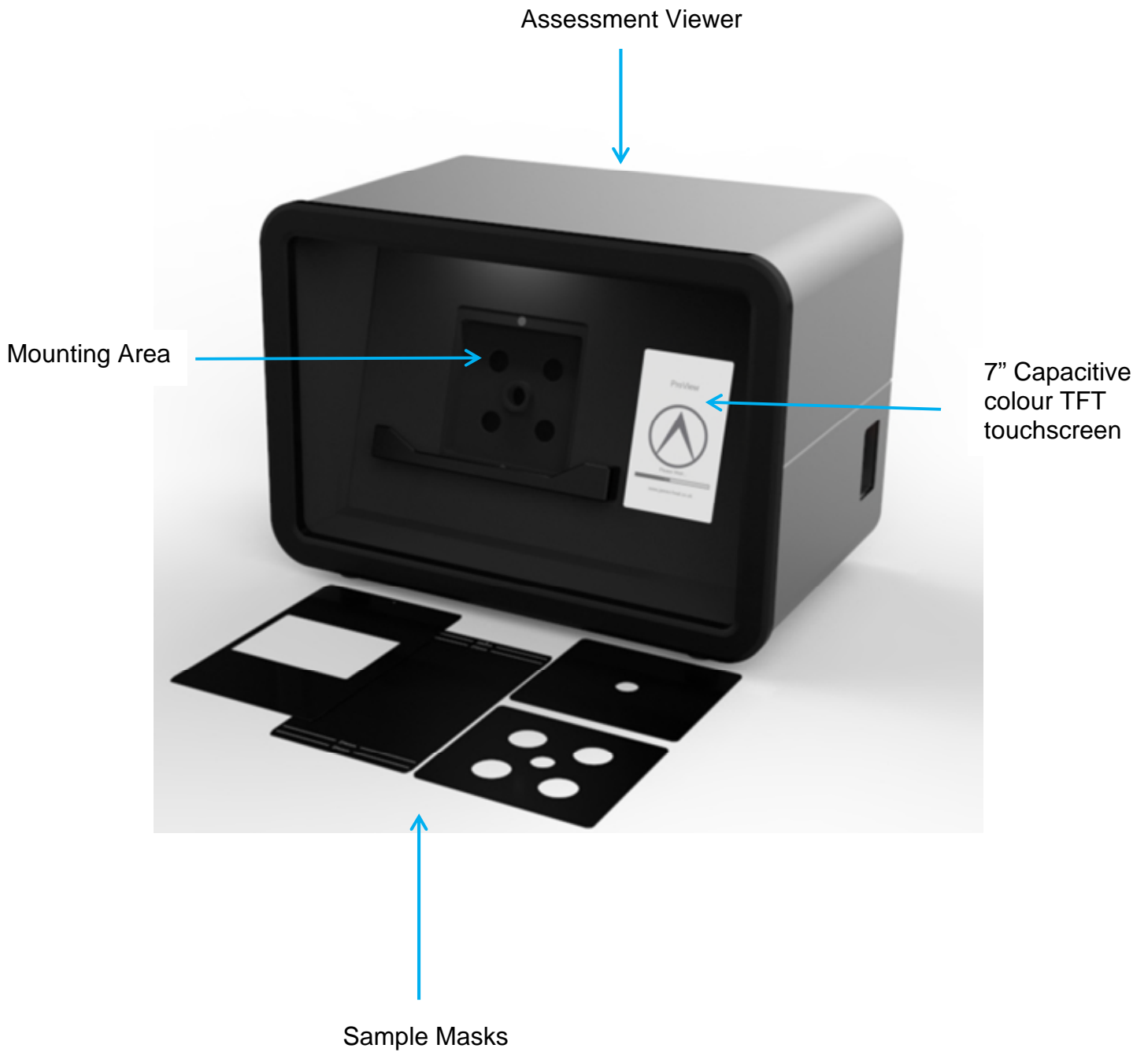
Note: They may not necessarily appear in the same order in the manual as listed below. If you are using a softcopy of the manual, you can click on each section in turn in the contents menu or on the links below and the document will automatically skip to the correct page.

- [Unpacking](#)
- [Installation](#)
- [Electrical](#)

Once [ProView](#) is commissioned, follow these sections:

- [The Essential Features Of ProView](#)
- [Getting Started](#)

THE ESSENTIAL FEATURES OF PROVIEW



JAMES HEAL SERVICE & CALIBRATION

James Heal Service & Calibration is a totally comprehensive, worldwide support programme.

When you buy instrumentation from us, it is the beginning rather than the end of an association.

Our aim is simple:

To provide precisely the services you need to maintain and protect the value of your investment.

For any enquires you may have regarding your instrument please contact James Heal Service & Calibration by e-mail, phone or fax.

In all communications please quote the serial number of your instrument and the software version number

For example: 1523/15/1001 and V1.00.

James Heal Service & Calibration contact details:

E-mail engineering@james-heal.co.uk

Telephone +44 (0) 1422 366355

UNPACKING

- Remove the tape from the packing case lid and open.
- Carefully remove the packaging and contents from the packing case. Note that any accessories ordered with the instrument are packed with the instrument.
- Remove the sleeve and then very carefully lift the instrument and place it on a firm flat surface.
- Do not dispose of any packaging material until all standard and optional accessories ordered are fully accounted for. If there are any discrepancies, please contact your supplier immediately.

Unpacking Checklist

Please check the serial number plate to confirm that the supply voltage and frequency are in accordance with your order. Also, check the items listed in the tables below are present

Item number	Item name	Quantity
901-475	ProView Universal Assessment Viewer - model 1523	1
297-030	CD Op Guide ProView	1
142-326	Mains lead set angled	1
130-825	Fuse 1A T 20x5mm	1
513-122	Cover Plate For housing - Blank	1
513-213	Cover Plate For Housing - Abrading	1
513-124	Sample Carrier - ProMace	1
513-125	Mask - ProMace Sample	1

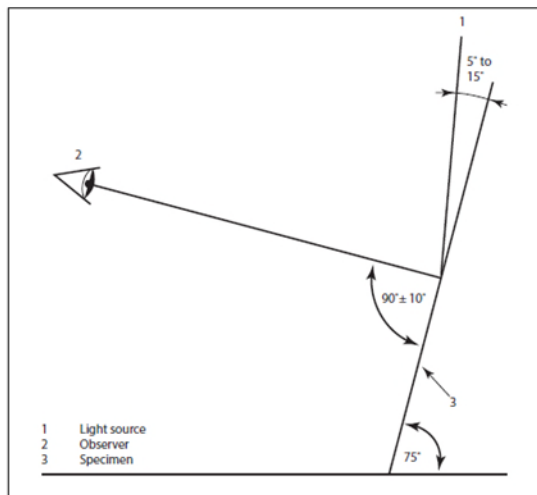
HOW TO ORDER SUPPLIES

901-475	<u>ProView Universal Assessment Viewer - model 1523</u>
	1x Universal Assessment Viewer
	Pre-programmed images
	Comprising:
	1x ProView Universal Assessment Viewer - model 1523
	1x CD Op Guide ProView 297-030
	1 x mains lead set angled 142-326
	2x Fuse 1A T 20x5mm 130-825
	1x Cover Plate - Blank 513-122
	1x Cover Plate - Abrading 513-123
	1x Sample Carrier - ProMace 513-124
	1x Mask - ProMace Sample 513-125

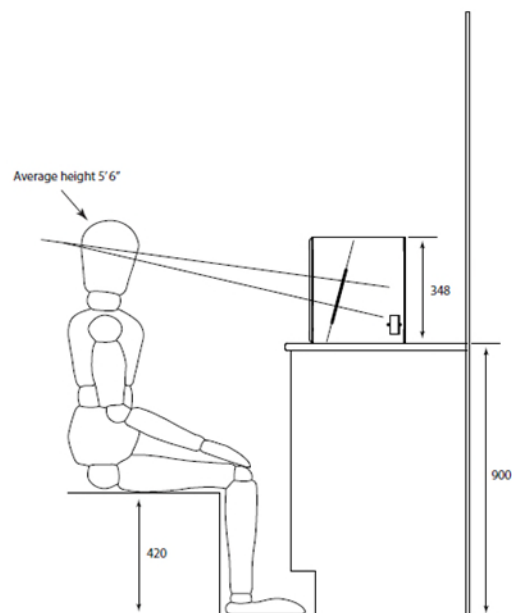
GETTING STARTED

Setting the Correct Height

Use the below illustration as a guide for setting the correct viewing height

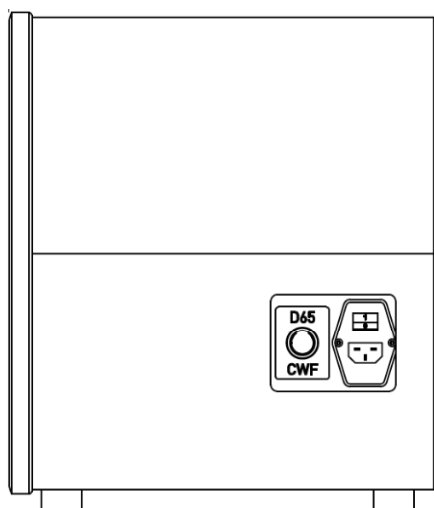


Promace Viewing Cabinet
Viewing angle



Drawing scale 1:10. dimensions are in mm unless otherwise stated

Switching Illuminant from D65 to Cool White

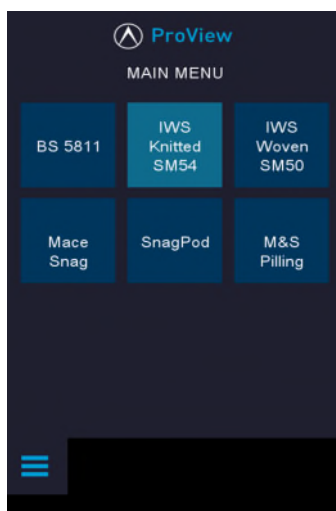


Use the rocker switch located near the electrical power inlet to change between D65 for ISO assessments and "CWF" for ASTM assessments. The CWF lighting looks warmer than D65.

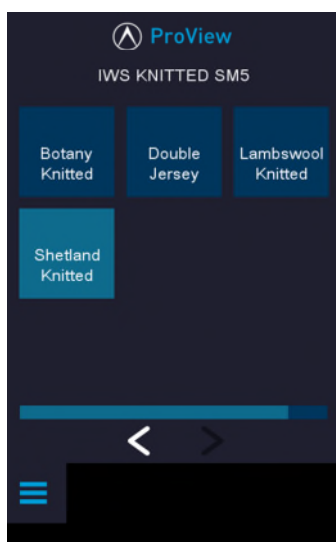
ProView Software



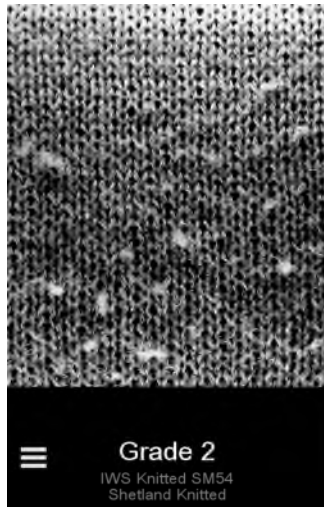
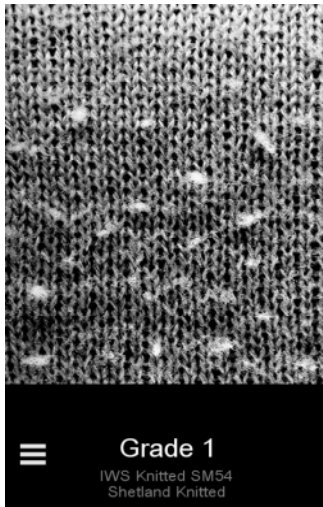
Startup screen



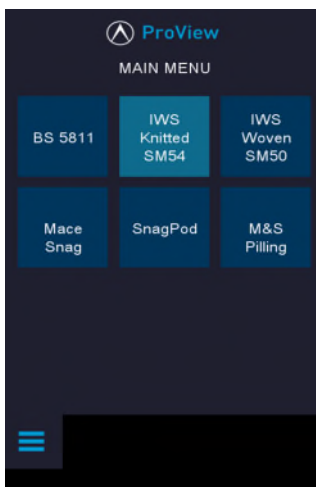
Main menu screen:
Touch to select the relevant standard.



Sub screen:
Touch to display the relevant photographic standards

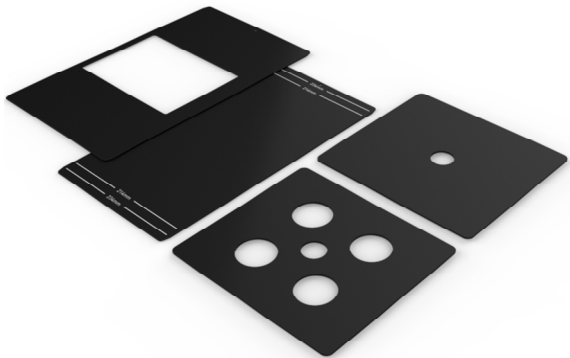


Tap or swipe to view the other grades within the category.



Touch the menu icon in the bottom left hand corner of the screen to go back to the main menu screen.

ProView Interchangeable Cover Plates



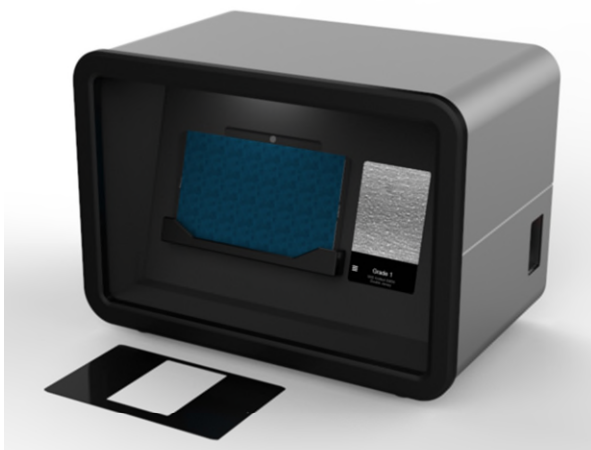
- Blank Cover Plate
- Abrading Cover Plate
- Mace Sample Carrier
- Mace Cover Plate



Place specimen holders in the 4 outer Spaces,

Place the abrading cover plate over the specimens

The cover plate will be held on by magnets



Place the specimen carrier inside the specimen.

Place the specimen & carrier on the mounting ledge

The cover plate will be held on by magnets



Place the specimen holders
in the center Space,

A cover plate is not required
for this.



Blank cover plate

If the light source is not required, the on/off switch is located next to the light
source on the left had side.

INSTALLATION

The **ProView** is delivered on a wooden palette. Use a forklift truck or hydraulic pump trolley to move the packing case as near as possible to the final location.

Once in position, follow the instructions in the Unpacking Section to remove the outer case.

The **ProView** can now be lifted from its palette and in to location using a pump truck if available, or a by hand. If lifting by hand a minimum of 2 people will be required.

These instruments are heavy and should be moved with care.

Do not dispose of any packaging material until everything is accounted for.

Electrical

- Stand the instrument on a firm and level surface.
- Connect the electrical power supply to the mains input using the lead provided.
- The power rating for **ProView** is 10W.

Fuses

Two (2) fuses are fitted, located at the rear of the machine beneath the mains lead socket.

To replace a fuse, isolate from the mains supply, place a screw driver blade in the slot of the fuse holder, then press and turn anti-clockwise approximately $\frac{1}{4}$ of a turn. The fuse holder complete with fuse is now released.

TECHNICAL DATA

Instrument Specification

Light Sources	D65 LED (ISO) Cool White LED (ASTM)
User Interface	7-inch Capacitive Colour TFT Touchscreen
Weight	20 kg
Dimensions	520 x 320 x 374 mm (W x D x H)
Power	85 to 264 VAC, 50/60 Hz, 10 W

CE Conformity

ProView is CE marked.

It therefore complies with the following directives:

- Machinery Directive 2006/42/EC
- Low Voltage Directive 2006/95/EC
- Electromagnetic Compatibility Directive 2004/108/EC
- WEEE Directive 2002/96/EC
- RoHS Directive 2002/95/EC

REVISION HISTORY

See front cover for Publication number, e.g., 290-1523-1

Revision	Date	Originator	Details Of Revision
A	15/04/2015	LW	Op Guide Created
B	31/03/2025	PG	Queens Award removed from cover. Support email updated. Instrument Specification updated. Updated wiring diagram. D65/"CWF" switch diagram added.