

NOVO-SHADE DUO+

Dual Function 45/0° Reflectometer **MEASURE**

OPACITY

SHADE

CLEANLINESS









Rhopoint Instruments Limited is a member of the Rhopoint Group



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RHOPOINT NOVO-SHADE DUO+

The Novo-Shade Duo+ reflectometer has 3 distinct modes of operation each using the 0/45 geometry



SHADE

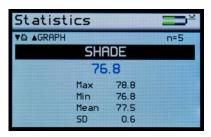
Features



Fast measurement



On-board statistics



Trend analysis graph



Single button push to make measurements.

APPLICATIONS



Shade of paints, inks and coatings



Chalking of paint



Efficiency of detergents and bleaching agents



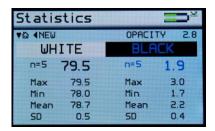
Whiteness of recycled paper

OPACITY

Features



Fast measurement of all parameters Automatic calculation of opacity



On-board statistics



Measurements are made over a white substrate and then over a black substrate. Opacity is automatically calculated and displayed.

APPLICATIONS



Hiding power of paints, inks and coatings



Transparency of plastic film



Opacity of paper

CLEANLINESS

Features



Fast measurement



On-board statistics



Clear tape is pressed on the measurement surface, torn away and stuck onto white paper - For reference a clean piece of tape is also stuck on the same white paper.

Measurements are made of the reference material and then of the tape, cleanliness is calculated automatically.

APPLICATIONS



Cleanliness and oxidisation on metal surfaces

INSTRUMENT FEATURES

Pass / Fail

Easy identification and reporting of non-conformances



Rapid Data Transfer



Software-free data transfer.

USB connection to PC instantly recognises the device as a drive location which facilitates the quick transfer of files using Windows Explorer or similar.

Direct data input via Bluetootl



Instantly transmit measured readings directly to programs such as MS Excel on your PC / tablet / smartphone to greatly simplify the reporting process.



Power



20,000+ readings per charge. The instrument is rechargeable via USB/PC or mains.

Easy Batching (shade mode only)

User definable batch names and batch sizes for quicker and more efficient reporting.

Operation

- Full colour easy to read screen
- Adjustable brightness
- 6 button touch sensitive interface

Construction

- All aluminium construction enclosure. optics, standard holder
- Integrated calibration holder with in-position detector for error free calibration





Statistical Analysis

Max, min, mean, SD

Graphical Analysis

On board trend analysis

Power

- Rechargeable lithium ion
- 17+ hours operation
- 20,000+ readings per charge

Recharge Time

Mains charger: 4hrs

Standards

ISO 2814, 6504, BS 3900-D4, D7, ASTM E97, E1347, D4214 ASTM D2805, D589

Memory

- 8 MB = 999 readings
- User definable alphanumeric batching

Data Transfer

- Bluetooth
- PC compatible
- USB connection, no software installation required

Performance

- Resolution 0.1
- Repeatability 0.2%
- Reproducibility 0.5%
- Operating temperature 15 40° C (60 104° F)
- Humidity up to 85%, non condensing

Dimensions & Weights

- Measurement spot size: 15 x 10mm elipse
- 65mm x 140mm x 50mm (H x W x D)
- 790g
- Packed weight: 1.75kg
- Packed dimensions: 180mm x 330mm x 280mm (H x W x D)
- Commodity code: 9027 5000

Order Code A4000-010

Languages Available













- = black no reflectance
- 100 = brilliant white full reflectance

Opacity mode

- = completely transparent
- 100 = fully opaque

Cleanliness mode

- = No change
- 100 = Maximum change

- Calibration tile with certificate
- USB data cable
- Novo-Gloss Multi Gauge Software
 - Instruction manual
 - Bluetooth data app
 - **Example Excel spreadsheets**
 - Instructional videos

FREE EXTENDED WARRANTY

FREE LIGHT SOURCE WARRANTY

Guaranteed for the life of the instrument

CALIBRATION AND SERVICE

Fast and economical service via our global network of accredited calibration and service centres. For detailed information, please visit www.rhopointinstruments.com/support



LOCAL AGENT



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