

# NOVO-SHADE DUO™

## DUAL FUNCTION 45/0° REFLECTOMETER



### MEASURE

opacity independently of colour

colour on a simple greyscale

# NOVO-SHADE DUO™

The new Novo-Shade Duo is a dual function reflectometer for measuring shade and opacity with 45/0° geometry

## SHADE MODE

- Shade of paints, inks and coatings
- Fading of textiles and plastics
- Chalking of paint
- Efficiency of detergents and bleaching agents
- Whiteness of recycled paper
- Cleanliness and oxidisation on metal surfaces

## OPACITY MODE

- Hiding power of paints, inks and coatings
- Transparency of plastic film
- Opacity of paper

## FEATURES

- Automatic calibration mode for safe and fast calibration
- Continuous-read feature for quickly checking large surfaces for colour or opacity variations
- Statistical analysis of stored readings gives an instant indication of batch quality
- Download readings to pc for further
- Download readings to pc for further analysis with Novo-Soft™ included as standard
- Extended two year warranty – free for registered products
- Extended life light source – over 10 years operation under normal conditions

## CONFORMITY

International standards:

ISO 2814, 6504

BS 3900-D4, D7

ASTM E97, E1347, D4214

ASTM D2805, D589



Certificate no: FM 29741

## ACCESSORIES

- Traceable calibration standard
- Calibration tile cleaning kit
- USB Data cable
- Protective instrument case
- Novo-Soft™ QA software CD
- Full instruction manual in PDF format
- 4 x AAA batteries
- Screwdriver



The Novo-Shade Duo will quickly and accurately calculate the opacity of a coating applied on a Leneta type chart

## SPECIFICATIONS

- Resolution 0.1GU
- Repeatability 0.2%
- Reproduceability 0.5%
- Battery life 15,000+ readings
- Dimensions 125 x 50 x 100mm
- Weight 470g
- Measurement area 15 x 10mm ellipse

## MEASUREMENT UNITS

### Shade mode

- 0% = black – no reflectance
- 100% = brilliant white – full reflectance

### Opacity mode

- 0% = completely transparent
- 100% = fully opaque



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