

ELICO®

**NIR
SPECTROPHOTOMETER**

SL 153

PRODUCT SPECIFICATION SHEET



NIR Spectrophotometer

SL 153



laboratory



viewfinder



toxic use



fire resistant



pc attach

INTRODUCTION

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SPECIFICATIONS

SPECTRAL

Range 600 to 2500 nm

Bandwidth 20 nm

PHOTOMETRIC

Range ± 2.5 Abs.

Stray light <1% T at 2300 nm

LIGHT SOURCE

Quartz Halogen Lamp

DETECTOR

Two colour detector Monitor (Si-Pbs)

MONOCHROMATOR

300 Lines/mm Concave Holographic Grating

GRATING DRIVE

Continuous scanning stepper motor drive

FEATURES

- ▷ PC based, User-friendly & Menu driven .
- ▷ High performance Concave Grating Monochromator.
- ▷ Simple but most effective optical layout with minimum components .
- ▷ Transmittance & Reflectance measurements .
- ▷ Fast analysis.
- ▷ Advanced state-of-the-art MS Windows® based software for Data acquisition, Processing, Storage, Retrieval, Interpretation of Complex spectra, Quantitative estimation using Regression analysis & Presentation functions .
- ▷ Advanced Chemometrics, i.e, PLS calibration .
- ▷ Upto 4th derivative spectral data .
- ▷ Multiple constituents analysis .
- ▷ Fit error analysis .

APPLICATIONS

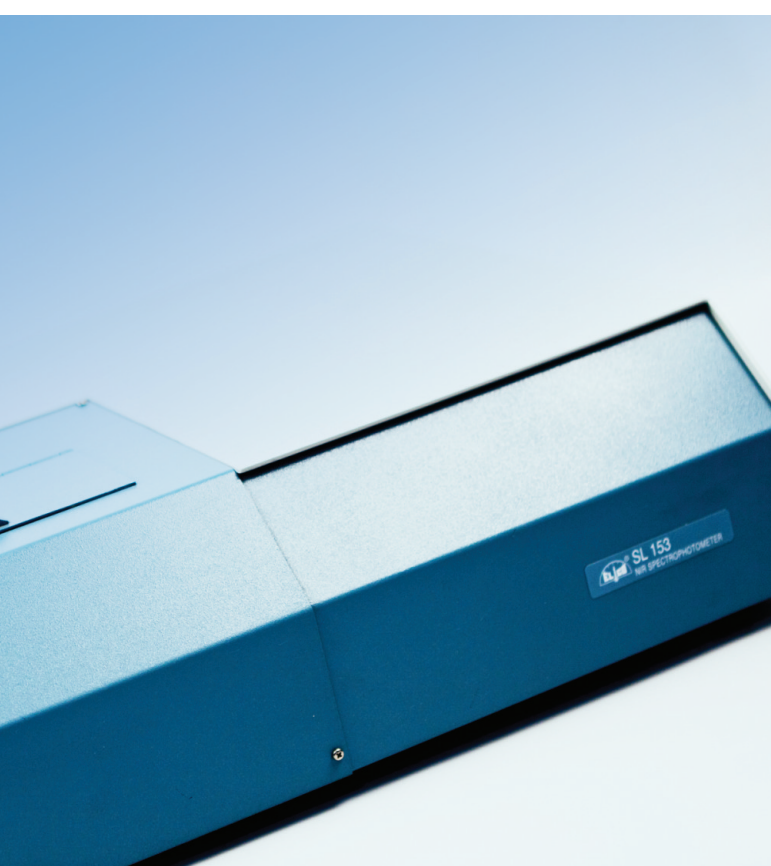
For determination of

- ▷ Moisture, Oil, Protein, Fat, Starch, Amino Acids, Hydroxyl Number, Film Thickness, Lactose, Latex, Total Carbohydrates, Nicotine; Attributes like Stability, Internal damage etc.,

In the areas of

- ▷ Chemical, Packaging, Pharmaceuticals, Beverages, Food & Dairy, Grain Analysis, Pulp & Paper, Meats, Flour, Textiles, Plastics, Sugar etc.,

INDUSTRIES USING



Dairy



Agriculture



Life Sciences



Chemical & Pharma



Iron & Steel



Food & Beverages



Mines & Geology



Paints & Dyes



Textile



Clinical



Breweries & Distilleries



Oil & Gas



Fertilizer & MicroNutrients



Connecting Science & Lab

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For further information and details on our business, products, operations and innovation, please visit our corporate website www.elico.co

Feedback or queries related to the product can be sent to us at support@elico.co

Any further information related to the product can be seen at www.elico.co/sl153

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