

Refractometers & Polarimeters

Bellingham + Stanley has been manufacturing refractometers and polarimeters for 95 years. The B+S network of distributors has been carefully selected to provide technical support both before and after the sale and the range of products available is summarised in this brochure.

RFM700 Series Refractometers



Robust, high quality, low cost instruments designed specifically for factory and laboratory use. RFM700 models provide Brix and other scales up to two decimal places without the need for temperature control. RFM700 refractometers are ideal for use in sugar, beverage, food and wine applications.

RFM300+ Refractometer

Designed as a replacement for earlier world leading RFM300 instruments, the latest models feature a flat prism dish, wider refractive index range and Peltier temperature control; making them ideal for use in wet factory environments and the laboratory alike.

Special attention has been paid to the Peltier control system. Samples of different temperature are quickly stabilised and when using the Smart temperature stability mode, results are only shown when both the temperature and reading are within predefined limits. Results are clearly displayed on the instrument screen in a number of scales all accessed by a simple method system, whilst up to 4096 readings may be stored within the instrument memory together with date, time & batch number. Users of earlier models will easily recognise the onboard software, which can now be configured in a number of different languages.



ADP400 Series Polarimeters

Polarimeters for sugar, food, chemical and pharmaceutical applications. The ADP410 is a low cost polarimeter whilst the ADP440+ offers 3-decimal measurement in accordance with USP and complies with the operational requirements of FDA regulation 21 CFR Part 11.



Hand held Refractometers

Being manufactured in the UK and sealed to IP66, the Eclipse range of hand held refractometers offer reliability and ease of use. E-line refractometers are available in various scale ranges and offer a lower cost alternative to the Eclipse, whilst the digital OPTi series provide temperature compensated readings without the need for optical measurement.



RFM900 Series Refractometers

Offering a wide measuring range (1.30-1.70 RI), shallow prism dish and Peltier temperature control, RFM900 refractometers are suitable for use in aroma, fragrance, flavour, petrochemical, chemical, and pharmaceutical industries as well as institutes of technology.

For pharmaceutical applications, RFM900 refractometers comply with the operational requirements of FDA regulation 21 CFR Part 11, USP/EP/BP and feature RFID tags for rapid identification and clearance of operators.

RFM900 refractometers also conform to ASTM D 5006, 1747 and 1218 for the petrochemical industry.



Abbe Refractometers



The low cost Abbe 5 provides general-purpose measurement at an affordable price, whilst the high accuracy 'dispersion' instruments satisfy the highest demands in industry.



ADS Saccharimeter

Designed specifically for use in the sugar marketplace, ADS Saccharimeters are low cost instruments that may be used with flow tubes to allow rapid measurement in accordance with ICUMSA.



Model D7 Polarimeter

The Model D7 is a high quality optical polarimeter fitted with an integral LED light source and interference filter providing readings over the full circle to better than 0.05° angular degrees and 0.1°Z.

The instrument is ideal for use in laboratories with a relatively low throughput of samples and especially as a teaching tool in colleges and universities.



For further information contact:

www.bellinghamandstanley.com



a xylem brand

Calibration Materials

B+S offer a number of high accuracy calibration standards, some traceable to NIST and manufactured under the guidelines of BS ISO 17025, suitable for calibrating refractometers and polarimeters. Refractometer standards have a shelf life of 12-months whilst Quartz Control Plates are used for calibrating polarimeters and saccharimeters.



PRH Process Refractometer



Allowing continuous measurement and automation of product lines, the PRH refractometer is suited to a number of different food, beverage and sugar applications.

Accessories: Refractometers

Printers
Flowcells
Waterbaths
Barcode Reader

Accessories: Polarimeters

Printer
Tubes
Waterbaths
Barcode Reader
Quartz Control Plates



Instrument Selection Guide

	Portable	Fruit	Beverage	Food	Sugar	Confectionery	Edible Oil	Petrochem	Pharma	Industrial	Education	Polymers	Solids
Eclipse/E-line	✓	✓	✓	✓	✓	✓							
OPTi	✓	✓	✓	✓	✓	✓	✓	✓					
Abbe 5		✓	✓	✓	✓	✓		✓		✓	✓	✓	✓
Abbe 60 ED/LR								✓	✓		✓		✓
RFM700		✓	✓	✓	✓	✓							
RFM340+		✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	
RFM900								✓	✓		✓		
ADP/S				✓	✓	✓			✓		✓		