# 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



# **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**

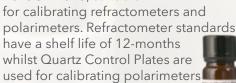
The Model D7 is a high quality optical polarimeter fitted with an integral LED light source and interference filter providing readings over the full circle to better than 0.05° angular degrees and 0.1°Z.

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:

#### **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









#### **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



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Instrument Selection Guide													
	Portable	Fruit	Beverage	Food	Sugar	Confectionery	Edible Oil	Petrochem	Pharma	Industrial	Education	Polymers	Solids
Eclipse/E-line	1	1	/	/	/	1							
OPTi	1	/	/	1	/	/	/	/					
Abbe 5		/	/	1	1	1		/		1	/	1	/
Abbe 60 ED/LR								/	1		/		/
RFM700		/	/	1	/	/							
RFM340+		/	/	1	/	/	/	/	1	1		1	
RFM900								1	1		1		
ADP/S				1	1	1			1		1		