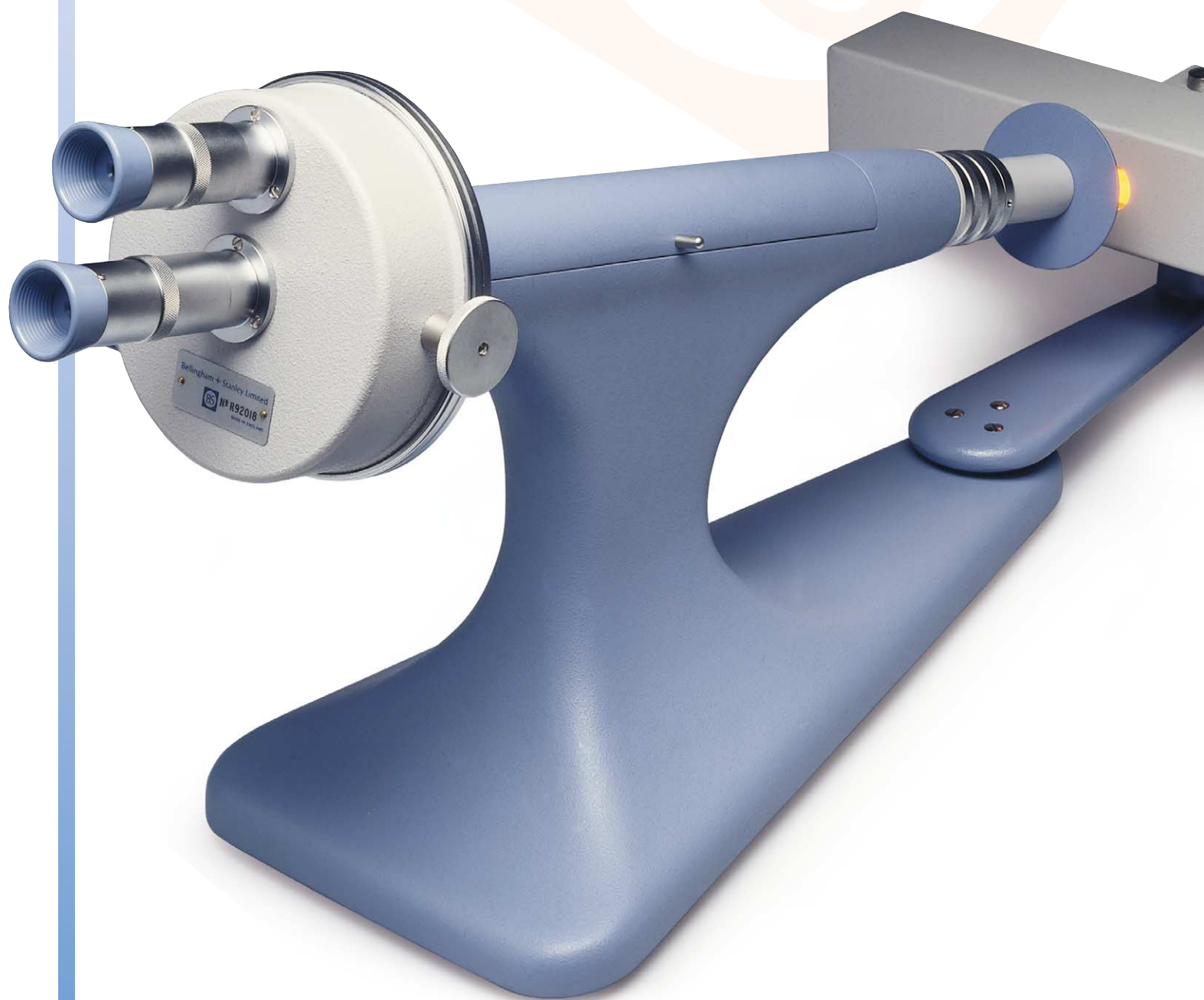


Model D Polarimeter



Bellingham + Stanley Ltd.
Scientific Instrument Makers

Model D Polarimeter



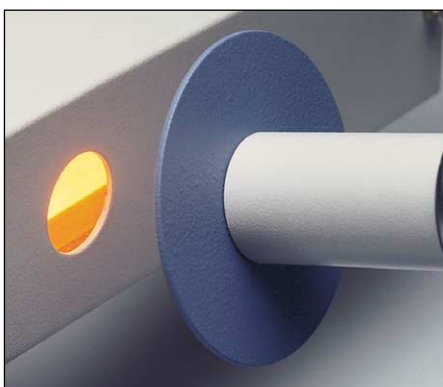
The Model D Polarimeter is a well established, high quality, low cost instrument capable of measuring the rotation of optically active samples and matches the performance of many digital instruments in the market today.

The well know variable half waveplate effect is used to obtain a balance between the two halves of a circle when viewed through an eyepiece. The reading is then taken from the scale.

The instrument accepts sample tubes of lengths of up to 220mm and is used for measuring concentrations and optical rotations in the food, sugar, flavours, fragrance, pharmaceutical and chemical industries. The Model D Polarimeter is also extensively used in schools and colleges as an educational tool.

For dark samples which absorb light, the Model D Polarimeter has provision for adjustment allowing more light to pass through the sample.

There are a number of accessories which may be required when using the Model D Polarimeter including light sources, sample tubes, temperature control equipment and calibration standards. For calibration purposes verification of the Model D Polarimeter can be made against fixed value quartz control plates and depending on the area of interest, a choice can be made from the four plates listed below.



Scales

Angular 0 to 360° sub-divided to 1°.
 Micrometer drum gives direct reading to 0.05° and by estimation to 0.02°.
 Sugar -30° to +130° Z sub-divided to 1° Z.
 Micrometer drum gives reading to 0.1° and by estimation to 0.05° Z.

Description

Code	
31-01	Polarimeter Model D with angular and sugar scales for tubes up to 220mm in length with variable half shadow, including one 200mm sample tube and plastic dust cover.
59-01	Sodium lamp outfit complete with control gear; lamp mounted on transformer base.
59-06	225-250V~, 50-60Hz 105-115V~, 50-60Hz
59-03	Sodium lamp mounted on instrument base.
59-08	225-250V~, 50-60Hz 105-115V~, 50-60Hz
59-58	Spare sodium lamp bulb
34-20	Quartz control plate approx. 100° Z
34-21	Quartz control plate approx. 15° Z

Shipping Specifications

Model D Polarimeter without sodium lamp:	Sodium Lamp Outfit 225/250V~:	Sodium Lamp outfit 105/115V~:
Gross Wt. 125 kilos	Gross Wt. 11.0 kilos	Gross Wt. 13.0 kilos
Nett Wt. 9.5 kilos	Nett Wt. 9.1 kilos	Nett Wt. 10.0 kilos
Meas: 71x47x34cm	Meas: 70x45x27cm	Meas: 70x45x27cm



Bellingham+Stanley Ltd operates a Quality Management System complying with BS EN ISO 9001:2000 (Certificate No. LRQ 0963791).

CE These products comply with the requirements of the Low Voltage Directive 73/23/EEC and the EMC Directive 89/336/EEC

Bellingham + Stanley Ltd pursues a policy of continuous product development and improvement, and, as such, information given on this Data Sheet may be updated or withdrawn without notice.



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