



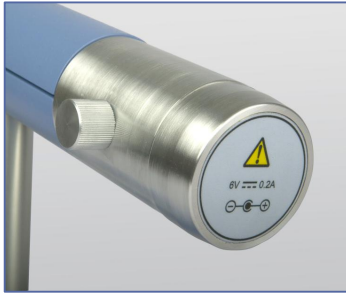
Model D7 Polarimeter

For over 40-years, the Model D polarimeter and sodium lamp outfit has been the primary choice of leading industrial and academic institutions throughout the world, offering practical assessment of optically active materials combined with high accuracy measurement.

Changes in legislation, particularly within the sugar and pharmaceutical sectors, has demanded a shift towards digital instrumentation, however, the need for a high quality optical polarimeter is still paramount where circumstances dictate that an optical instrument should be used. Such applications include use in contract laboratories of low-sample throughput and, of course, the continued use in both physics and chemical departments within the education field.

Bellingham + Stanley Ltd. has updated the original Model D design to meet the requirements of 21st century applications. The instrument body has been replaced with a new 'low weight' component that reduces shipping costs, significantly important where a number of instruments are supplied to one destination, and the sodium lamp has been replaced with a lightweight, low cost LED light source with an interference filter and integral intensity control. Retaining the measurement specification of the original Model D, the new Model D7 provides the user with one of the highest specification optical measurements of rotation at a fraction of the cost of its predecessor.

The Model D7 polarimeter has angular and (ISS) sugar scales for tubes up to 220mm in length, a vernier drum for accurate readings, and is supplied with one 200mm sample tube. Scale range: 0 to 360°A and -30°Z to +130°Z with accuracy better than ±0.05°A and ±0.1°Z.



Special Features:

- Enclosed dual scale
- Micrometer drum
- LED light source
- Intensity control
- 90-230V~, 50/60Hz
- Lightweight
- Small footprint

Specification

Scale Range - Angular	0-360°
Graduation Vernier - Angular	0.05°
Scale Range - ISS	-30° to + 130°Z
Graduation Vernier - ISS	0.1°Z
Light Source	LED 589nm (100,000+ hours)
Power Supply	90-230V~, 50/60Hz

Order Code Description

Order Code	Description
31-02	Model D7 and integral LED light source with angular and sugar scales for tubes up to 220mm in length with variable half shadow, including one 200mm sample tube.
34-20	Quartz Control Plate approx. 34 °A / 100 °Z
34-21	Quartz Control Plate approx. 5 °A / 15 °Z
34-22	Quartz Control Plate approx -10 °A / - 30 °Z
35-29	100mm polarimeter tube with bulb to clear bubble from field of view
35-30	200mm polarimeter tube with bulb to clear bubble from field of view

Shipping Specifications

Model D7 Polarimeter
 Gross Weight: 9 kilos
 Nett Weight: 5.5 kilos
 Packed Overall Size: 71 x 47 x 35 cm
 Footprint: 18 x 46 x 32 cm

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.



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



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



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