

Polarimeters

ADP450 Series

- Ideal for sodium wavelength measurement in accordance with pharmacopeia.
- ADP Polarimeters come with a pre-installed Pharma Mean Method.
- Unlike some other models ADP450 Polarimeters continually read & display optical rotation, giving the user instant feedback of the repeatability of the result.
- Peltier Temperature Control.
- Complies with minimum requirements of BP/EP/USP for 589nm.

Specifications

Range: ± 89 (-355 to +355 via Method selection)
Resolution: (°A): 0.001
Accuracy: (°A): ± 0.010
Wavelength: Single (589nm) - LED



ADP600 Series

- Ideal for measurements requiring extremely high accuracy at all wavelengths in pharmacopeia.
- ADP Polarimeters use standard tubes (Stainless Steel for ADP450, Glass for ADP430 and ADP600).
- Optical rotation at UV is 10 times more sensitive than at sodium. Use UV for low concentrations, rare samples and especially in 5-10mm path length polarimeter tubes like Dextromethorphan.
- Complies with all requirements of pharmacopeia.

Specifications

Range: ± 89 (-355 to +355 via Methods selection)
Resolution: (°A): 0.0001
Accuracy: (°A): ± 0.003 (@546 & 589nm)
 ± 0.005 (@325, 365, 405 & 436nm)
Wavelengths: UV/Vis - choice of single, dual, or multiple



Refractometers

RFM900 Series

- RFM900 Refractometers are built using a PEEK spill barrier, and a Kalrez® gasket & offer wetted part material certification for instrument and flowcells certification for flow through.
- The RFM970 is one of the only refractometers on the market to offer full scale accuracy to 5 decimal places.
- RFM970 Refractometers have switchable 4, 5 or 6 decimal place RI resolution via a METHODS system, whilst RFM960 refractometers meet many pharma requirements with 4 decimal place RI.

Specifications

Range: 1.30 - 1.70 RI
Resolution: (RI): 0.0001 / 0.00001 / 0.000001
Accuracy: ±0.0001 / ±0.00002 RI
Wavelength: Single (589nm) - LED



5 Common Features of Bellingham + Stanley® Pharmaceutical Instruments



1. Regulations

Collectively our range of instruments, supported by our Certified Reference Materials (CRM) satisfy all measurement and operational requirements of EP/USP/BP/JP as well as facilitates operation within the FDA regulated environments (21 CFR Part 11).



2. Peltier Control

Regulated temperature with excellent stability for consistent measurement and accurate results from your samples.



3. RFID

Providing clearance as well as a log of operator and configuration functions - especially useful when being used in FDA-regulated environments operating in accordance with 21 CFR Part 11, or GLP.



4. METHODS

Offers one-touch configuration of scale and temperature, with up to 8000 saveable results. METHODS can be user-defined or chosen from the on-board library. Offers limit checking and Pharma Mean Method.



5. Colour display

Bright colourful displays help guide the user to important functions. Easy to read, simple to navigate.

There's more...

Certified Reference Materials

- Wide Range - 1.30 to 1.56RI
- 6 decimal place uncertainty (K=2)
- Organic, long life, non-toxic
- Quartz plates for polarimeters



Did you know: Bellingham + Stanley polarimeters and refractometers are also used within the veterinary medicines industry as well as throughout the manufacturing of cosmetics.