

## Polarimeters

### ADP400 Series

- Ideal for sodium wavelength measurement in accordance with pharmacopeia.
- ADP Polarimeters come with a pre-installed Pharma Mean Method.
- Unlike some other models ADP400 Polarimeters continually read & display optical rotation, giving the user instant feedback of the repeatability of the result.
- Available with or without 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 dextromethamphetamine.
- 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 & feature full ISO 10204 materials 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.

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