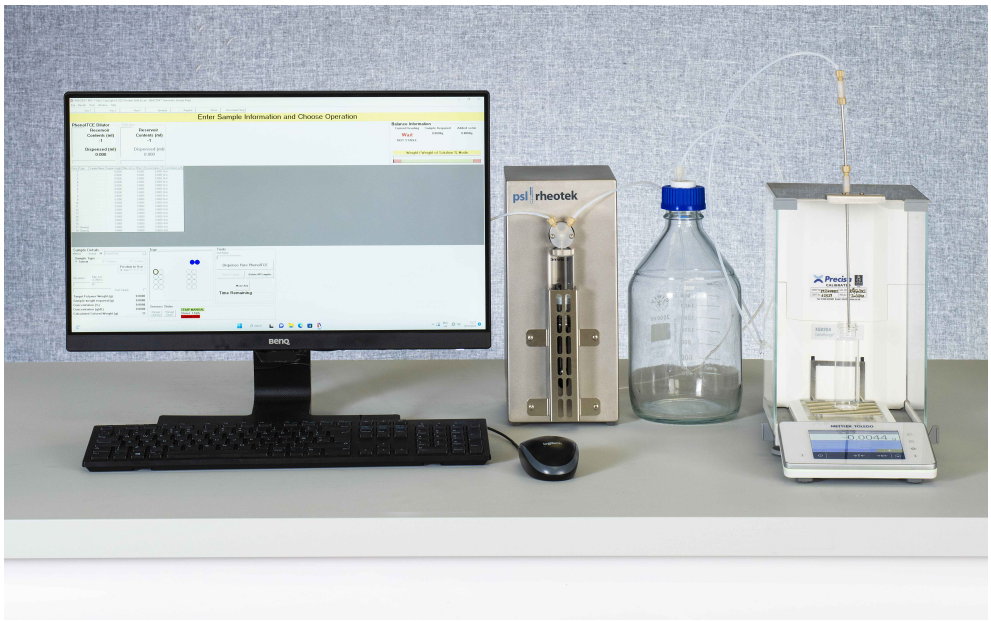
PSL Rheotek iSP-1 Sample Preparation

The PSL Rheotek iSP-1 is a fully automated sample preparation system designed to be integrated with the RPV-1 Polymer Viscometer - ASTM D 789, ISO 307, ASTM D 4603, ASTM D 2857, ASTM D 1795, ISO 5351, TAPPI T230-OM94, ASTM D 1243, ISO 1628 Part 1 to 6



- **Simple & Safe to use**
- **Improves accuracy**
- **Saves operator time**
- **Reduces exposure to hazardous chemicals**
- **Standard model for most polymer applications**
- **Pulp model complete with two syringe pumps**
- **HD model for high density PP samples**
- **Automates delicate precision work**

ISP-1 Integrated Sample Preparation

Supplied complete with precision balance, syringe Pump (s) and voice promting software.

FAST – samples can be prepared in under 75 seconds.

Sample details are automatically transferred to the RPV Polymer Viscometer.

Uses weight to weight data rather than weight to volume data to calculate concentration – avoids errors due to temperature/density.

Built in safety checks.

Automatic ASH & MOISTURE corrections to concentration.

Uses AUDIO prompts to talk the operator through the essential preparation steps.

Pre-programmed methods make preparation simple and straightforward.

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PSL Rheotek iSP-1 Sample Preparation

The **PSL Rheotek** range of instruments are manufactured in the United Kingdom by Poulten Selfe and Lee Ltd.

Poulten, Selfe & Lee Ltd. (PSL) was established in 1850. For more than 60 years the company has been specialising in viscosity measurement. PSL's high precision glass capillary viscometers are used worldwide for manual and automated viscosity measurement.

Worldwide, instruments are sold and serviced by a network of **PSL Rheotek** offices and authorised sales agents.

Worldwide Sales:
Tel.: +44 1621 787 100

USA Sales:
Tel.: 574 271 9471

Poulten, Selfe & Lee Ltd
Russell House
Burnham Business Park
Burnham-on-Crouch
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iSP-1 Specifications	
Sample preparation options	W/W%, W/V%, Density, Ash% & Mositure%
Safety	Various checks are automatically performed to ensure operator safety and to prevent solvent spillage
Balance	Precision 4 decimal place (or 5 decimal place for high density PP samples)
Syringe	25mL syringe pump accommodated in a stainless steel case
Interface	RS232C
Software	Comprehensive voice prompting software with multiple methods database. Fully integrated with RPV-1 & RPV-3 software
Typical Applications	PET according to ASTM D4603
	PET according to ISO 1628 Part 5
	PA according to ASTM D789 – High Concentration
	PA according to ISO 307 – Low Concentration
	PVC according to ASTM D1243
	PP & PE according to ISO 1628 Part 3
	Pulp, Paper & Microcrystalline Cellulose, according to ASTM 1795 and ISO 5351, TAPPI T230-OM94

Ordering Information	
ISP-1	**PSL Rheotek** iSP-1 (integrated with RPV-1). Complete with 4 decimal place precision balance, syringe pump and voice prompting software
ISP-2 PULP	**PSL Rheotek** iSP-2 (integrated with RPV-1 Pulp). Complete with 4 decimal place precision balance, two syringe pumps and voice prompting software
ISP-1PP/H	**PSL Rheotek** iSP-1 for high density PP or PE samples. Complete with 5 decimal place balance, syringe pump and voice prompting software.
ISP-1PP/LM	**PSL Rheotek** iSP-1 for low and medium density PP or PE samples. Complete with 4 decimal place balance, syringe pump and voice prompting software.

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