

BEVS 1132 Intelligent Cone & Plate Viscometer



The BEVS 1132 Intelligent Cone and Plate Viscometer is a highly accurate instrument for studying the rheological properties of fluid products. It is a fully automatic viscometer with adjustable shear rate and controllable temperature, using a high-precision DC motor and an automatic lifting platform to make viscosity measurement simpler and more accurate.

Shear rate is tightly controlled at $10,000 \text{ s}^{-1}$ (BS standard) and $12,000 \text{ s}^{-1}$ (ASTM standard), or can be freely set across a $333\text{--}20000 \text{ s}^{-1}$ range.

The temperature control plate is precisely controlled from $+5^{\circ}\text{C}$ to 75°C , producing both temperature and shear rate/viscosity curves. Its portable design suits Newtonian and non-Newtonian testing across food, cosmetics, pharmaceuticals, coatings, inks, mining, construction, petrochemicals and polymers..

Features

- Automatic lifting
- Automatic measurement
- Compatible with various speeds
- High-definition touch-screen display
- Display of temperature and viscosity curve
- Display of shear rate
- Precise temperature control
- Output of data and report

Technical Specification

Parameter	Specification
Rotational speed	100 – 1500 rpm
Shear rate	$333\text{--}20000 \text{ s}^{-1}$
Controllable temperature range	$+5\text{--}75^{\circ}\text{C}$
Cone	5 types
Cone 1 measuring range	0 – 5P / 0 – 500 cP
Cone 2 measuring range	0 – 10P / 0 – 1000 cP
Cone 3 measuring range	0.1 – 20P / 10 – 2000 cP
Cone 4 measuring range	0.1 – 50P / 10 – 5000 cP
Cone 5 measuring range	0.1 – 100P / 10 – 10000 cP
Resolution	1 cP
Measurement accuracy	$\pm 1\%$ (full scale)
Measurement repeatability	$\pm 0.5\%$ (full scale)
Temperature resolution	0.1°C
Temperature accuracy	$\pm 0.3^{\circ}\text{C}$
Input voltage	100 – 240 VAC / 50 – 60 Hz

Packing List

BEVS 1132	Intelligent Cone and Plate Viscometer (without cone)
BEVS 1132/5	Cone 1 with 5 oils (0–5P)
BEVS 1132/10	Cone 2 with 5 oils (0–10P)
BEVS 1132/20	Cone 3 with 5 oils (0.1–20P)
BEVS 1132/50	Cone 4 with 5 oils (0.1–50P)
BEVS 1132/100	Cone 5 with 5 oils (0.1–100P)

Video



Youtube - BEVS 1132 Intelligent Cone and Plate Viscometer

BEVS 1132 Intelligent Cone and Plate Viscometer delivers precise, automated viscosity measurement for efficient quality control and R&D.