

# TP-200EH VISCOMETER



The TP-200EH viscometer is an all-in-one viscometer integrated with a temperature control system.

Since the Peltier element is used for temperature control, the set temperature can be reached in a short time.

With the multi-range function, the measurement range can be expanded up to 8 times, and continuous viscosity measurement can be performed without replacing the rotor.

## FEATURES

- Built-in temperature control system
- Automatic gap adjustment function
- Multi-range
- Auto range function
- Visco-chart software included

## Viscosity Measurement Range

Types	Measurement Range	Full-Scale Torque( $\mu\text{N}\cdot\text{m}$ )	Viscosity Measurement Range( $\text{mPa}\cdot\text{s}$ )
TP-200EH	H	718.7	6.48 – 64,820
	R	1437.4	13.0 – 129,600
	U	5749.6	51.9 – 518,500
	AH (AUTO)	H to U (Auto)	6.48 – 518,500

In case of use of standard cone rotor ( $1^{\circ}34'\times\text{R}24$ ).

# Specifications

Rotational Speed	0, 0.1 - 100.0 rpm
Steps	1,001 Steps per 0.1rpm
Measurement Mode	Manual Auto-Stop Time Auto-Stop Viscosity Program (40 steps at maximum)
Measurement Memory	10 Patterns in each mode
Measurement Range	Refer to the following measurement range table
Viscosity Display	% / mPa·s / Pa·s / kPa·s (cP/P switching possible)
Accuracy	less than $\pm 1.0$ % of Full Scale (In case of use of Standard cone rotor (1°34'xR24))
Repeatability	less than $\pm 0.2$ % of Full Scale
Data output format	fixed, comma separated
Input / output signal	USB A (for serial printer), USB B (for PC) D-Sub (for Visco-chart software)
Temperature setting range	+5°C to +120°C (* Upper limit setting: Ambient temperature +50 °C , Lower limit setting: Ambient temperature -10°C )
Temperature resolution	0.1°C
Temperature accuracy	$\pm 0.2$ °C (* Only when the ambient temperature and the set temperature are equal)
Ambient Temperature Range	+5°C to +40°C
Power supply	100-240VAC 50/60Hz
Power consumption	Less than 150VA
Wetted Material	Stainless Steel
Dimension (mm)	358(W) x 398(D) x 555(H)
Weight	20 kg