

TV-150B type VISCOMETER



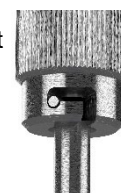
This is a single cylindrical rotational viscometer using a cylindrical rotor, which is equivalent to B type.

The TV-150B type viscometer uses a "torsion wire and magnetic bearing" mechanism to eliminate worn parts and maintain excellent initial reproducibility.

In addition, the rotor can be easily attached and detached due to the one-touch lock mechanism that does not require screws. (bayonet coupling)

FEATURES

- Pivot less mechanism (torsion wire and magnetic bearing)
- Color touch panel
- One-touch rotor attachment/detachment (Bayonet coupling)
- Auto stop function



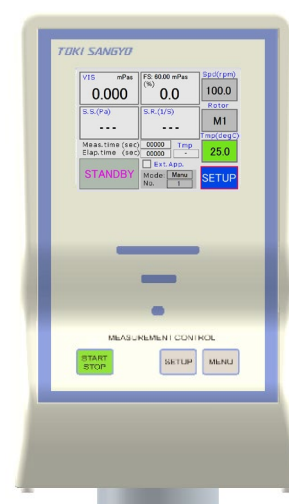
Specifications

Accuracy	less than ± 1.0 % of Full Scale ^{*1}
Repeatability	less than ± 0.2 % of Full Scale ^{*1}
Display	Simultaneous display of viscosity value, % torque value, and measurement upper limit value (SI or CGS units)
Operating ambient temperature	0°C to 40°C
Operating ambient humidity	90%RH or less (non-condensing)
Wetted Material	Stainless steel (SUS304/303)
Power supply	100 to 240V AC 50/60Hz
Power consumption	20VA
Weight	Viscometer body: Approx. 2.1kg Stand: Approx. 2.4kg
Dimension (mm)	Viscometer body: 120(W) x 182(D) x 199(H) Stand: 300(W) x 310(D) x 436(H)
Accessories	^{*2} Rotor (TV-150BM: M rotor 4 pieces, TV-150BH/R/U: H rotor 6 pieces) Main body case, Rotor case, Rotor stand, etc.

^{*1} When using M1 or H2 rotors.

Measured value that is 10% or more of the upper measurement limit.

^{*2} Rotor with pin.



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Measurement range

Model	Full scale torque	Measurement range
TV-150BM	67.37 $\mu\text{N}\cdot\text{m}$	15 - 6,000,000 $\text{mPa}\cdot\text{s}$
TV-150BH	718.7 $\mu\text{N}\cdot\text{m}$	100 - 40,000,000 $\text{mPa}\cdot\text{s}$
TV-150BR	1437.4 $\mu\text{N}\cdot\text{m}$	100 - 80,000,000 $\text{mPa}\cdot\text{s}$
TV-150BU	5749.6 $\mu\text{N}\cdot\text{m}$	400 - 320,000,000 $\text{mPa}\cdot\text{s}$

Comparison table

Function	TV-150B	TVB-10/15
Rotational speed	0.1 - 100.0 rpm (0.1rpm step)	0.3 - 100 rpm (18 step)
Display	3.5-inch color touch panel	Monochrome 16 characters x 2 lines display
Temperature measurement	○ (Temperature sensor option)	×
Simultaneous output from PC and printer	○	×
Connection of temperature control unit PK-100	○	×

Please contact "TOKI SANGYO CO.,LTD.", to order Viscometer, accessories, and repairs;
ask about "measurement of sample liquid" or "general questions for Rheology".

Manufacturer

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