

Desk top ultrasonic viscometer

FCV-100

[light weight] + [easy handling]

Transmitter weight : 1,300g



Sensor weight : 300g



Desk top ultrasonic viscometer

FCV-100 Advantages

Compact

easy handling & quick measurement

Flexibility

the viscosity reading adjustable with your viscosity range

Maintenance

simple sensor releases from troublesome cleaning

Extensibility

in-line viscometer is also available for factory automation



FUJI ULTRASONIC ENGINEERING CO.,LTD.

Desk top ultrasonic viscometer

FCV-100

Measurement examples

adhesive	oil
daily product	cosmetics
starch	ink
coating material	latex
	e.t.c.



Advantages

「Compact design」

Sensor weight is 300g

「No moving part」

Sensor cleaning is trouble less

「Easy maintenance」

No periodical calibration is required

「Easy operation」

Measurement is not influenced by sensor position

「Flexible viscosity reading adjustment」

Adjust with your current viscosity reading

「Digital measurement & output」

It eliminates a human error on manual operation

「Easy data storing」

Paper less data storing

「Dual measurement」

Both viscosity & temp. measurements at the same time



Demo unit available

[light weight] + [easy handling]

Specifications

Product name	FCV-100
Principle	Ultrasonic torsion-mode vibration
Meas. range	0-100mPa.s (0~1000mPa.s, 0~10000mPa.s available soon)
Accuracy	+/-1mPa.s (under stable condition)
Temp. range	10-40 °C
Output	RS232C
Power	AC100-240V (accessory adapter plug : A type)
Cable length	1.5m
Sensor material	SUS316
Grip material	PVC
Accessories	Instruction manual, AC adapter, Software package for RS232C communication
Optional accessories	RS232C cable, Carrying case, Clamp holder

* Clamp holder is recommended for tighter measurement

Useful functions

- 1-1 VISC. 43.2 mPa.s
TEMP: 23.1 °C
Viscosity & temperature on home screen
- 1-1 CONV. 432.1
VISC: 3.2 mPa.s
TEMP: 23.1 °C
Viscosity conversion function
- 1-2 MAX 100
MIN 0
Real time measurement monitoring
- 1-3 SAVE DATA
1 14.5 43.2
2 20.2 54.3
3 21.9 65.4
4 23.1 98.7
5 25.2 76.5
VISC: 3.2 mPa.s
TEMP: 23.1 °C
Data storing
- 1-4 OFFSET 10.0
GAIN 1.000
AVERAGE 5
CONV. OFF
Offset, Gain, Average functions

Making a data graph with a laptop computer

Dimensions

Unit dimensions: 50 (width), 154 (height), 185 (depth).
Probe dimensions: #260 (total length), #125 (grip length), 60 (grip diameter), #26 (probe diameter), #7.5 (tip diameter).

*製品改良のため仕様は変更となる場合があります



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