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PORTABLE ROTARY VISCOMETER



SERIE **VP 1000 M**

PORTABLE ROTARY VISCOMETER SERIE VP 1000 M

Portable rotary viscometer according to Brookfield Method, allows quick determination of viscosity during production process, in laboratories or in research centers. Along with its intuitive and easy functionality and its light weight, this ready to use instrument provides great versatility. Its main feature, the compatibility to the Brookfield method, allows comparative measurements with results obtained in quality control laboratories using standard rotary viscometers.



FEATURES

VP 1000 M serie viscometers are light (1,8kg), small and ready to use instruments. They are battery operated, offering an important autonomy to the end user (24 – 30 h non-stop use).

Two lines digital display with backlight. Viscosity reading is shown in screen together with full scale percentage. Instrument displays maximum measurement range for each selected spindle (FSR), allowing end user to select easily the most appropriate spindle for each specific application.

COMPATIBILITY

Viscosity readings obtained with the VP 1000 M are 100% compatibles with results obtained with standard rotary viscometers according to Brookfield method for the same speed and spindle.

FUNCTIONALITY

Totally intuitive. Just press one key – ENTER – to begin with rotation/measurement, to stop motor and to validate selected spindle. Use UP or DOWN keys to enter the spindle selection screen and scroll in both directions.

AVAILABLE VERSIONS

Portable viscometer model VP 1000 M is available in four different versions: VP 1020 M, VP 1030 M, VP 1050 M and VP 1060 M, each one having a fixed speed: 20 rpm, 30 rpm, 50 rpm and 60 rpm.



SPINDLES AND MEASURING CONTAINER

Viscometer VP 1000 M is supplied with 6 standard spindles (R2-R3-R4-R5-R6-R7). Optionally, it is possible to work with spindle R1 to extend viscosity range by the inferior limit.

The special measuring container, included in the basic delivery, features an anchorage system to the viscometer base for easy centering and to prevent the rotation stress to drag the container with the sample.

The filling mark (370 ml) in the measuring container must be respected to be able to work with the complete set of spindles.

APPLICATIONS

MYR portable viscometer, VP 1000 M, is used to measure viscosity in samples from different industrial sectors: chemical, pharmaceutical, cosmetic, coating and print among others.

It is undoubtedly, the perfect equipment for batch control in production process.



DISPLAYED DATA

Speed (fix)	rpm (depending on version)
Spindle selected	R2-R7 (R1 optional)
Dynamic viscosity	mPas
Full scale percentage	%
Full scale range (FSR)	mPas
Battery status warning with self-disconnection	

VISCOMETER SERIE VP 1000 M

VISCOSITY RANGE

Model	Speed	Viscosity Range	Viscosity Range (R1)
VP 1020M	20rpm	200 - 200.000 mPas	50 - 500 mPas
VP 1030M	30rpm	130 - 133.300 mPas	33 - 333 mPas
VP 1050M	50rpm	80 - 80.000 mPas	20 - 200 mPas
VP 1060M	60rpm	66 - 66.600 mPas	16 - 166 mPas

Accuracy: $\pm 2\%$ of full scale range

Repeatability: $\pm 1\%$

TECHNICAL DETAILS

Alkaline batteries	4xAA/LR6(6V)	1.900mAh/Alkaline
Rechargeable batteries	4xAA/R6(6V)	2.500mAh/Ni-Mh
Autonomy	24 a 30 hours non-stop use	
Weight	1.800g	
Protection classification	IP20	

ACCESSORIES

Battery charger R6 AA / Ni-Cd / Ni-Mh and 4 rechargeable batteries

Special spindle R1

Spindle rack

Calibration standards (silicone)



SCOPE OF DELIVERY

Basic delivery includes, carrying case, portable viscometer, measuring container, complete set of spindles (R2-R7), assembly tools, alkaline batteries (4), calibration certificate and user manual.



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