

پترو فرهان گستر جنوب

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Myr PORTABLE ROTARY VISCOMETER



SERIE **VP 1000**

VISCOMETER SERIE VP 1000

The first portable rotary viscometer acc. to Brookfield Method allows quick determination of viscosity during production process. Along with his intuitive an easy functionality and his light weight, this 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.

It is also possible to use the VP 1000 as a bench instrument by ordering separately the stand.



FEATURES

Small and ergonomic battery operated instrument, which offers 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 %. 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 of VP 1000 are 100% compatibles with results obtained with standard rotary viscometers acc. to Brookfield method for the same speed and spindle.

FUNCTIONALITY

Totally intuitive. Just press one key – ENTER – to begin with rotation and measurement, to stop motor and to enter into the spindle selection screen. Use UP/DOWN keys to modify option.

AVAILABLE VERSIONS

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



SPINDLES AND SPINDLE PROTECTOR

Viscometer VP 1000 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.

Spindle protector has three functionalities: protect spindle and main mechanics from any possible damage, hold viscometer when not being used and isolate the quantity of sample to be analyzed. Protector fits perfectly in a 800ml glass beaker.

APPLICATIONS

MYR portable viscometer VP 1000 is used to measure viscosity in samples from different industrial sectors: chemical, pharmaceutical, cosmetic and print among others. It is undoubtedly, the perfect equipment for batch control in production process.



DISPLAYED DATA

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

VISCOMETER SERIE VP 1000



VISCOSITY RANGE

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

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

Repeatability: $\pm 1\%$

TECHNICAL DETAILS

Alkaline battery	4 x AA/LR6 (6V)	1.900 mAh / Alkaline
Rechargeable battery	4 x AA / R6 (6V)	2.500 mAh / Ni-Mh
Autonomy	24 - 30 hours non-stop use	
Weight	1.150 g	
Weight	1.150 g	
Protection classification	IP 20	

ACCESSORIES

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

Stand

Special spindle R1

Spindle rack

Calibration standards (silicone)



SCOPE OF DELIVERY

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

