

# Rheomat R 120

The proven viscometer  
for quick and exact  
determination of viscosity



## SIMPLEST OPERATION

### • Measuring system:

Supplied with a fixed measuring system, eliminating input errors. Depending on the sample to be measured, we support you in the selection of your equipment and thus guarantee an optimal measurement according to your needs.

### • Shear rate:

Up to 3 fixed shear speeds are stored to further facilitate handling and speed up your measurements. This means that the R120 can be operated without any previous rheological knowledge and does not pose a challenge to your staff.

## EASE OF USE

The R120 is reduced to the essentials and still offers the same, exact measurement results as our other laboratory viscometers.

## DURABLE

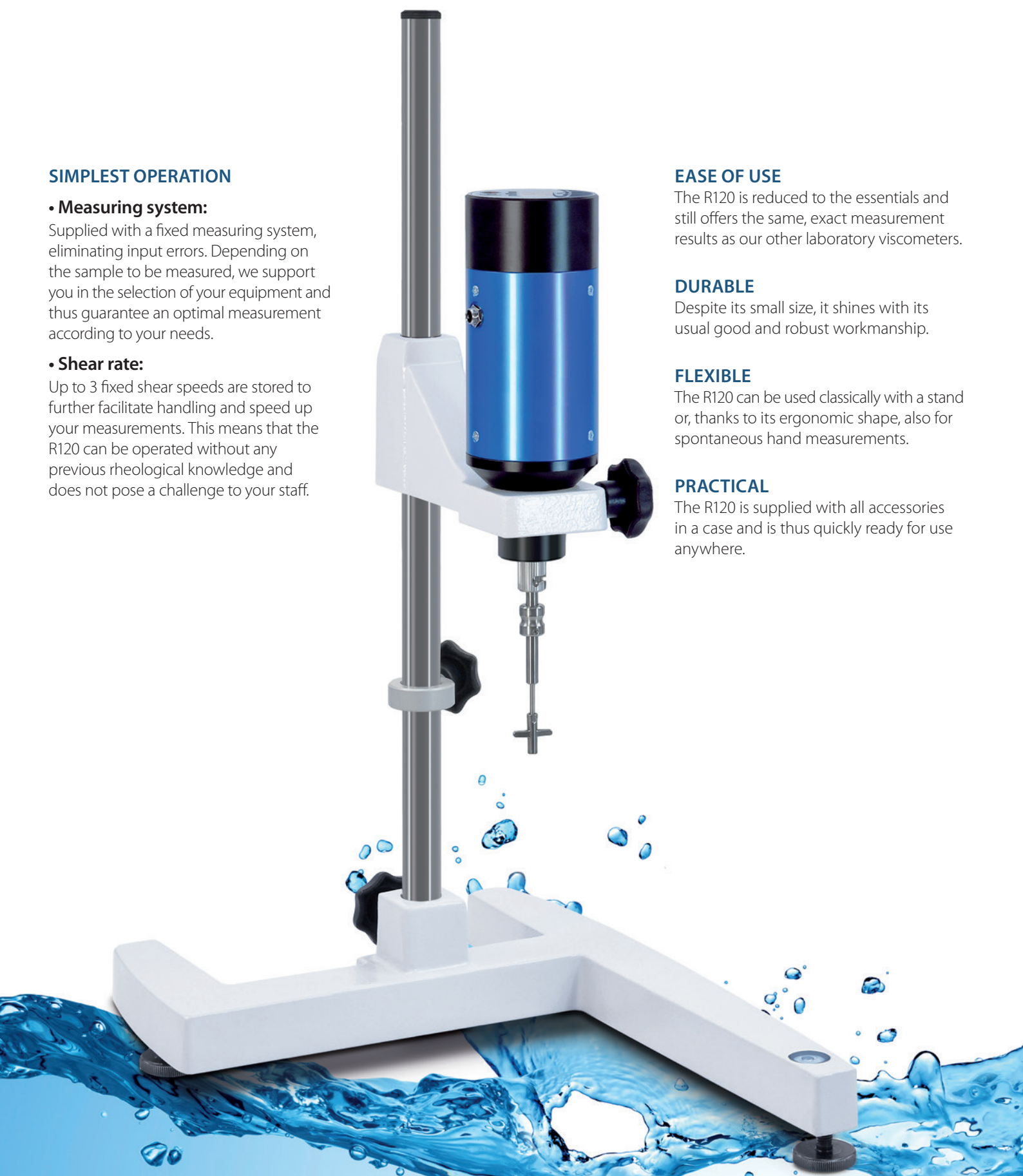
Despite its small size, it shines with its usual good and robust workmanship.

## FLEXIBLE

The R120 can be used classically with a stand or, thanks to its ergonomic shape, also for spontaneous hand measurements.

## PRACTICAL

The R120 is supplied with all accessories in a case and is thus quickly ready for use anywhere.





#### R120 DIMENSIONS

Weight: 0,6 kg

Dimension: 65 x 190 x 65 (W x H x D/mm)

#### INSTRUMENT OPERATIONAL INFORMATION

The equipment may be stored and operated in an environment from -20 to 60 °C.

#### VOLTAGE

with power supply:

100 to 250 V AC with 50/60 Hz, 1.0 A



#### TORQUE

0,25 to 10 mNm +/- 0,01 mNm

#### ROTATIONAL SPEED

5 to 1000 rpm +/- 1 rpm

#### MEASURING SYSTEMS

1 predefined measuring system

#### MEASUREMENT RANGE

Viscosity: 0,002 Pas to 10.000 Pas

according to measurement systems.

Shear range: 0,8 s<sup>-1</sup> to 3.000 s<sup>-1</sup>

#### TEMPERATURE OF SAMPLE

-9,9 to 99,9 °C +/- 0,1 °C

100 to 120 °C: +/- 1,0 °C

	Measurement systems	Measurement tube Ø mm	Measurement bob Ø mm	Viscosity (Pas)min.	Viscosity (Pas)max.	filling volume (ml)
<b>DIN 53018/ DIN 53019</b>	11	32,54	30	0,005	19	ca. 24
	22	26,03	24	0,010	38	ca. 16
	33	15,18	14	0,050	191	ca. 9
<b>Relative systems</b>	19	32,54	31,5	0,002	7	ca. 20
	12	32,54	24	0,027	104	ca. 18
	13	32,54	14	0,210	800	ca. 26
	23	26,03	14	0,240	906	ca. 18
	14	32,54	14	0,545	2.080	ca. 26
<b>Special relative systems</b>	71			0,003	10	
	71			0,027	104	
	73			0,160	605	
	74			0,665	2.530	
	75			2,580	9.800	
<b>ISO 2555</b>	61			0,007	26	
	62			0,028	106	
	63			0,070	264	
	64			0,139	529	
	65			0,278	1.057	
	66			0,696	2.643	
	67			2,783	10.574	