

# Viscometers and their range of use

Measurement substance property	Viscometer type							
	Ubbelohde	Micro Ubbelohde	TC Ubbelohde	Ostwald	Micro Ostwald	Cannon-Fenske	Cannon-Fenske-Routine	BS/IP-U tube reverse flow
Transparent liquids manual measurement	++	++	-	+	+	+	o	o
Transparent liquids automatic measurement	++	++	+	-	+	+	-	-
Opaque liquids manual measurement	-	-	-	-	-	-	+	+ <sup>2)</sup>
Opaque liquids automatic measurement	-	-	++ <sup>1)</sup>	-	-	-	-	-
Foaming liquids	o	o	o	+	+	+	o	o
Liquid mixture with highly volatile components	o	o	o	+	+	+	o	o
Minimum measurement substance and/or rinsing agent quantities	-	++	-	-	+	-	-	-
High-temperature or low- temperature measurements	+	+	+	o	o	o	o	o

## Selection of glass capillary viscometers

- ++ use preferably
- + highly suitable
- o less suitable
- unsuitable

<sup>1)</sup> up to 30,000 mm<sup>2</sup>/s

<sup>2)</sup> above 30,000 mm<sup>2</sup>/s