

## Thermo Scientific™ HAAKE™ Portable Viscometers

No clumsy cords—battery powered  
for quick tests anywhere

- No more difficult setup—simple, one-button operation for quicker testing
- Get more accurate readings with digital display

Lightweight, digital, rotational viscometers can be operated handheld or on optional stand for your convenience. Use for quick viscosity tests for process optimization, machine adjustment, or to ensure your product is within specification. Possible handling errors as well as service information are shown on the display.

**What's included:** Three rotors, carrying case, and four AA batteries. Model VT01 includes two 150-mL sample cups; model VT02 includes one 150-mL sample cup.



Model number	VT01	VT02
Catalog number	<a href="#">GH-08705-01</a>	<a href="#">GH-08705-02</a>
Range	1.5 to 330 cP	30 to 400,000 cP
Temperature	Up to 302°F (150°C)	
Rotor speed	62.5 rpm	
Reproducibility	±1% full scale	
Accuracy	±5% full scale	
Power	Four AA batteries	
Price		



### Accessories

[GH-04546-00](#) Stand, 29"H x 5 7/8" dia

[GH-09376-01](#) Replacement batteries, AA. Pack of 4

## μVISC™ Portable Viscometers Requires just 400-μL of sample

- Viscometer-Rheometer-on-a-chip (VROC) technology makes viscosity measurements easy and reliable

Choose these lightweight viscometers for fast, accurate measurements. Operation is simple: load the pipette with your sample, insert the pipette into the holder, and push the run button. The microfluidic sensor measures viscosity from the drop in pressure that occurs while the sample flows through a small rectangular flow channel. The small channel size requires only a very small sample amount—cuts down on operational costs. Select auto mode for quick and easy measurements; advanced mode takes measurements at varying shear rates. Units also measure sample temperature via the built-in RTD sensor. Save up to eight protocols for future use. The last twenty measurements including time and date stamp are held in memory for easy recall.

Advanced model allows control of the shear rate in continuous increments for greater control when measuring non-Newtonian samples. Also includes software for data analysis.

**What's included:** two pipettes, USB cable, rechargeable batteries, and 120 VAC charger. Model 98946-41 also includes software 98946-55.

### Specifications

**Accuracy:** ±1% of full scale or 2% of reading, whichever is smaller  
**Repeatability:** ±0.5% of range or ±1% of reading, whichever is greater  
**Flow rate:** 0.5 to 450 μL/min  
**Temperature range:** 64 to 104°F (18 to 40°C)  
**Temperature accuracy:** ±0.27°F (0.15°C)  
**Power:** rechargeable batteries



### REQUIRED System Components

- 1) Control unit
- 2) Viscosity chip
- 3) Pipettor



### 1. Control Units

Description	Viscosity range	Catalog number	Price
Standard viscometer	0.2 to 100 cp	<a href="#">GH-98946-40</a>	
Advanced viscometer		<a href="#">GH-98946-41</a>	

[GH-98946-55](#) Optional software for 98946-40

### 2. Viscosity Chips

Viscosity range	Flow channel depth	Catalog number	Price
0 to 100 cp	50 μm	<a href="#">GH-98946-42</a>	
4 to 600 cp	100 μm	<a href="#">GH-98946-43</a>	
10 to 600 cp	200 μm	<a href="#">GH-98946-44</a>	
30 to 8000 cp	300 μm	<a href="#">GH-98946-45</a>	
60 to 5000 cp	100 μm	<a href="#">GH-98946-46</a>	
70 to 6000 cp	200 μm	<a href="#">GH-98946-47</a>	
100 to 20,000 cp	300 μm	<a href="#">GH-98946-48</a>	
400 to 20,000 cp	100 μm	<a href="#">GH-98946-49</a>	

### 3. Pipettors

Volume	Catalog number	Qty/pk	Price/pk
400 μL	<a href="#">GH-98946-53</a>	100	
	<a href="#">GH-98946-54</a>	500	