

RHEOSENSE, INC.

Choosing the right VROC Chip

For your *m*-VROC and VROC initium viscometers

VROC (*Viscometer-Rheometer-on-a-Chip*)

VROC combines microfluidic and MEMS (Micro-Electro-Mechanical Systems) technologies to measure dynamic viscosity over a wide dynamic range of operation.

REVOLUTIONIZING MATERIAL CHARACTERIZATION WITH VISCOSITY



SMALL SAMPLE LOW VISCOSITY

Minimum viscosity: 0.2 mPa-s
Maximum viscosity: 100 mPa-s
Maximum shear rate: 56,000 1/s

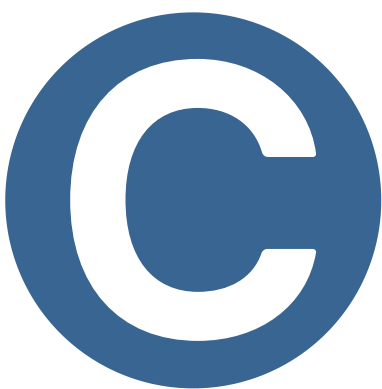
SMALL SAMPLE MEDIUM VISCOSITY.

Minimum viscosity: 0.2 mPa-s
Maximum viscosity: 3,000mPa-s
Maximum shear rate: 100,000 1/s



SMALL SAMPLE HIGH VISCOSITY

Minimum viscosity: 10 mPa-s
Maximum viscosity: 14,000 mPa-s
Maximum shear rate: 200,000 1/s



HIGH SHEAR

Minimum viscosity: 1 mPa-s
Maximum viscosity: 100,000 mPa-s
Maximum shear rate: 1.400,000 1/s



ALL YOUR VISCOSITY MEASUREMENTS IN ONE PLACE - SIMPLIFIED

Chip flow channel depth can range from 50 - 300 μ m and can be customized based on your application

DISCOVER MORE AT WWW.RHEOSENSE.COM

**Shear rate max could potentially vary depending on sample*