

Bohlin Gemini II - Specifications

Overview

Torque range:

Gemini II 200

Gemini HR_{nano}

Torque resolution:

Position resolution:

Frequency range:

Controlled speed range (CR mode):

Measurable speed range (CS mode):

Normal force N1 measurement range:

Step change in strain:

Temperature range (dependent on control used):

Temperature controls

Fluids Circulator:

ETO (Extended Temperature Option):

Melts Oven:

Peltier Plate:

Peltier Cylinder:

Universal Peltier Option – Coaxial Cylinder or Cone/Plate Geometries

ETC (Extended Temperature Cell):

ETC with optional LTU (Low Temperature Unit):

Nominal operating voltage

Size (with Peltier plate)

Weight (with Peltier plate)

Optional equipment

Measuring Systems

Vacuum Disposable Plates:

High Pressure (Sealed Cell):

High Pressure/High Temperature Cell:

Optical UV Curing Cell

Bohlin Gemini

Comprehensive rheological analysis

0.05 μ Nm to 200mNm in controlled stress & rate viscometry
0.05 μ Nm to 200mNm in controlled stress & strain oscillation

10nNm to 200mNm in controlled stress & rate viscometry
3nNm to 200mNm in controlled stress & strain oscillation

Better than 1nNm

50nrad

1 μ Hz to 150Hz

0.01mrad s⁻¹ to 600rad s⁻¹

10nrad s⁻¹ to 600rad s⁻¹

0.001N to 20N (50N optional)

<10ms

-150°C to 550°C

-40°C to 250°C

-15°C to 300°C

ambient to 450°C

-30°C to 200°C

-20°C to 180°C

ambient to 550°C

-150°C to 550°C

110 or 220V

52cm (H) x 33cm (W) x 37cm (D)

28kg

Peltier Plate, Melts Oven or ETO

40bar pressure, 30°C to 150°C

300bar pressure, ambient to 300°C