

Capillary-Rheometer

Twin-Bore Capillary Rheometers Series R6000/R9000

The R6000 and R9000 are laboratory grade twin-bore capillary rheometers. Twin-bore to simultaneously measure long and orifice die entry pressures, hence increasing productivity. In conjunction with the software package it enables you to rapidly make high accuracy rheological measurements on a wide range of materials. Both shear and extensional properties of the specimens can be obtained, at rates representative of those encountered during normal processing, such as extrusion, injection moulding, blow moulding and film blowing. Suitable for research, process development and quality control in the polymer, food, pharmaceutical, ceramics and many other industries.

Features:

- High quality instrumentation, including 0.25% accuracy pressure measurement
- High capacity 50kN drive system copes with severe test requirements
- Rigid design to reduce errors caused by machine compliance
- Interchangeable, high tolerance, tungsten carbide dies available in diameters from 0.25mm to 5mm, and lengths from 0.25mm to 30mm
- Five unallocated data acquisition channels available
- Wide variety of test types
- Graphical touchscreen shows diagnostics and allows basic operation without the software
- World-class analysis software



Technical Data:

	R6000-50 / R6000-100	R 9000
Dimensions		
Width (mm)	730	730
Height (mm)	2400	2400
Depth (mm)	800	800
Weight (kg), approximately	400	400
Features		
Temperature range (°C)	400	400
Force (kN)	50 / 100 (Cylinder fixed)	50 (Cylinder exchangeable)
Cylinder diameter (mm)	15 (12, 20 optional)	15 (12, 20 optional)
Cylinder length (mm)	280	280
Measuring range pressure transducer (psi)	500, 750, 1000, 1500, 3000, 5000, 7500, 10000, 15000, 20000, 30000	500, 750, 1000, 1500, 3000, 5000, 7500, 10000, 15000, 20000, 30000
Electrical data		
Power supply (±10 %) 50 Hz (V)	230	230
Order-No.	R6000-50 / R6000-100	R9000-50