

### **M9117 Capillary Pressure and Resistivity System**

The Grace Instrument M9117 Capillary Pressure and Resistivity System is designed to examine capillary curves (both positive and negative) and check the electrical resistivity index as a determination of core sample saturation at reservoir conditions.

The system also includes a core holder made of hydrophobic and hydrophilic ceramics and uses electronodes patterns for resistivity measurement. An automatic pumping system measures fluid control, while a resistivity cell has been installed for resistivity measurement.

Saturation and cementation exponents ("n" and "m", respectively) as well as the formation factor can be calculated during testing.



### **Features**

- Calculates Saturation exponent "n"
- Calculates Cementation exponent "m"
- Core holder of Hydrophilic and hydrophobic ceramics used for resistivity measurement
- Resistivity cell used for brine resistivity measurement
- Automated pumping system used for fluid control
- Temperature-controlled bath houses entire instrument

### **Specifications**

Max confining pressure:	10,000 psi (700 bar)
Max pore pressure:	10,000 psi (700 bar)
Working Temperature:	up to 302°F (150°C)
Capillary pressure range:	145 psi (± 10 bar)
Core length:	up to 3 inches
Core Diameter:	1.5 inches (other sizes available upon request)
Power Supply:	220 VAC, 50/60 Hz
Brine wetted material:	Stainless Steel (with optional Hastelloy)