




Resistivity Index and Capillary Pressure System

Resistivity Index and Capillary Pressure System provides critical reservoir description data at reservoir temperature, pore pressure and confining stress. The system is configured to provide steady state porous plate capillary pressure data and simultaneous electrical properties (“F”, “R_I”, “S_w”, “m”, “n”, “R_o”, “R_t”) data with reservoir fluids. The capability to determine R_w at test conditions is also included in the system.



Specification	RCP-PR01	RCP-PR11	RCP-PS02
Core Diameter	1.5 in.	1.5 in.	1.5 in.
Core Length	1 in. to 3 in.	1 in. to 3 in.	1 in. to 3 in.
Maximum Working Temperature	Ambient	90 °C	150 °C
Core Holder Position	Vertical	Vertical	Vertical
Overburden Pressure	6,500 Psi	6,500 Psi	10,500 Psi
Maximum Pore Pressure	145 Psi	6,000 Psi	10,000 Psi
P _c Range	±145 Psi	±145 Psi	±145 Psi
Pressure Accuracy	0.1% F.S.	0.05% F.S.	0.05% F.S.
Resistivity Method	2 Electrodes +FRIM	2 Electrodes +FRIM	2 Electrodes +FRIM
Input Power Supply	220 VAC, 50/60Hz	380 VAC, 50/60Hz	380 VAC, 50/60Hz
Wetted Parts Material	Stainless Steel 316	Stainless Steel 316	Stainless Steel 316/Hastelloy
Various Range of Frequencies	✗	✓	✓
Hydrostatic Core Holder	✓	✓	✓
Hydraulic Hand Pump	✓	✗	✗
Forced Convection Oven	✗	✓	✓
Triple pump control system	✗	✓	✓
Dual pump control system	✓	✗	✗
Automation			
Automatic Control & Data Acquisition System	✓	✓	✓
Data Acquisition System	✓	✓	✓

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