

600100, Vacuum Controller



The MRC Model 600100 vacuum controller measures and displays vacuum pressure both graphically and digitally. The vacuum pressure can be controlled from 1100-1 mbar (825 to 0.75 Torr). Controlling the pressure can be done in real-time. In addition, a timed ramp function allowing raising & lowering pressure is built in for applications such as distillation and vacuum drying. Full flexibility and repeatability is achieved easily via a programmable mode with pressure over time defined by the user. The durable, chemically resistant sensor built into the 600100 vacuum controller is a ceramic thick film hybrid. The sensor reading is gas independent and gives an absolute pressure. Direct communication can be maintained between PC & controller to for logging data via RS232 or LAN. Model 60010 controls vacuum pressure by opening and closing of a solenoid valve that is plumbed in-line between the vacuum pump and the system being evacuated. The solenoid valve is attached to the controller. This model will control vacuum pressure in your system using different types of vacuum sources such as diaphragm pumps as typically used in small rotary evaporator applications. Our application experts can assist you choosing the right solution.

Model	600100
Vacuum Pressure Control Range	1-1100mbar
Pressure Reading Accuracy	<+0.3% Full Scale
Control Accuracy	+1mbar
Vacuum Control Approach	Open/Close Solenoid
Manual real-time control	Yes
Automatic distillation control	Yes
Programmable mode	Yes
Languages to choose from	EN, DE, ES, FR, RU, ZH
Max. Power Consumption	40 Watt
Operating Temperature Range	15 to 30°C
Rack Mountable	Threaded: 2 x M4 – 116mm
Agency	CE
Communication	RS 232/RJ 45 LAN
Connection to Pump	DN8 (1/4 in ID Tubing)
Connection to Vacuum Apparatus	DN8 (1/4 in ID Tubing)
Inert Gas Port to Release Valve	DN4 (1/8 in ID Tubing)
Protection Degree	IP20
Dimensions (WxDxH)	195x178x105mm
Weight	1.5kg