

## Pressure Control Panel (PCP-200)



- Complete pressure control for the GCTS triaxial system
- Single pressure gauge to measure accurate pressure differences with 2.5 kPa (0.5 psi) resolution
- Includes venturi vacuum pump
- 1,000 kPa maximum pressure

### DESCRIPTION

GCTS pressure control panel provides a complete pressure control for triaxial systems. The volume change device is dual purpose: for triaxial and permeability testing, and 150 cc capacity with 0.01 cc resolution. The system meets ASTM D3999-91 and D5311-92 pore water pressure measurement compliance requirements. The pressure capacity of the panel is up to 1,000 kPa.

### FEATURES

- Two SR-PR-OM-1000 pressure transducers (for cell & back pressure) with 0.25% linearity and 1,000-kPa range
- One SR-VC-VAL-DP15-30 volume change differential pressure transducer with 0.25% linearity and 500 mm-H<sub>2</sub>O range
- Three regulators for manual control of cell, top, and bottom back pressures
- Precision pressure gage with 2.5-kPa resolution and selector valve
- Graded water level sight tubes for electronic and manual readings
- Venturi vacuum pump
- Mounting platform for pressure transducers and necessary plumbing

### OPTIONS

**PCP-201**—COMPUTER CONTROL OF CELL PRESSURE includes one EP-Valve and required fittings.

**PCP-202**—COMPUTER CONTROL OF BACK PRESSURE includes one EP-pressure valve, one computer controlled ball valve for specimen drain line and required fittings. Required for complete automation of triaxial test including saturation, consolidation, and shear loading stages without user intervention.

**PCP-203-UNS**—COMPUTER CONTROL OF AIR PORE PRESSURE for specimen suction control ( $u_a - u_w$ ). Includes one EP-valve and required fittings.

NOTE: Requires a 1,000-kPa clean, dry air supply.

### SPECIFICATIONS

Contact GCTS

### SHIPPING

Weight: . . . . . 80 kg  
Dimensions (meters): . . . . . 0.7W x 0.5D x 1.5H