

Triaxial / Permeability Manual Control Panel



Model 3230 LOGIC PANEL combines precise control, logical layout and quality components for use in triaxial, consolidation and flexwall permeability testing of soils. It is designed to function either by itself as a master panel or as an add on to existing panels.

One panel can be set up and used as the master panel and fitted with the optional digital readout for setting pressures. Additional panels can then utilize the readout from the master panel. The cabinet is built to survive laboratory environments and is constructed of aluminum with a hard coat paint and durable screen lettering.

All controls are laid out in a logical order. The upper half of the panel contains controls for air pressures while the lower half contains the water controls. Precision regulators set and control pressures. Whitey ball valves are used for positive shut-off. Two (2) 50 cc burettes, graduated by .1 cc., for flow measurement and two (2) 4 cc pipets, graduated to .008 cc., are also included. These are located inside two storage chambers which have an additional 400 cc capacity each.

Cell water interface utilizes a 20 cc burette. The operator is able to fill and drain the panel and cell conveniently from the front panel. A bias control feature allows the user to set the effective cell pressure and also increase both the cell and sample back pressure using only one regulator. This is useful when saturating the specimen and causes no change in effective stress. It also minimizes air consumption during saturation as only two of the three regulators are utilized at this time.

Easy access air, water, vacuum and drain connectors are located on the rear of the panel. All connections and tubing for the cell are conveniently located on the front of the panel.

Model Description		Accessories	
3230M	Master panel with pressure readout	3300	Flexwall chamber 100 mm (4 in.) dia. sample capacity
3230A	Basic panel with connection for master panel readout	3400	Triaxial chamber 76 mm (3 in.) dia. sample capacity
Options		3872	Deairing tank 5.67 liters (1.5 gal. capacity)
		6630	Pore pressure transducer and readout with moveable cabinet
32306	Master filter/regulator		
32307	Built-in venturi type vacuum pump		
32308	Pore pressure readout and transducer mounted in panel		