Automotive Hydraulic Double Circuit Brake System Simulator Order Code : 32526 is composed by authentic elements from the braking system of a medium powered vehicle. The simulator trainer runs by means of an electric three phase engine @ 380V, which transmits the motion to the front and to the rear wheels in the two directions by means of an hydraulic engine. The servo brake is connected to a vacuum pump in order to simulate its motion. A range of manometers and taps allow to measure and to change the pressure in the two systems (front and rear).
The brake pedal is connected to a lever in order to measure the foot effort during the breaking phase. Optionally, ABS & ESP functions offered in the same simulator system.

Main Technical Specifications

- 2 Disk brakes connected to a constant velocity joint
- 2 Drum brakes connected to axle shafts
- Double circuit hydraulic brake pump with tank
- De-pressure servo brake with pedal
- Hand brake lever connected to rear drums
- Hydraulic diverter to reverse the spin direction
- Hydraulic ECU connected to an hydraulic engine in order to transmit the motion to the wheels
- A range of manometers to measure the pressures
- A range of taps to simulate circuit interruptions
- Vacuum pump for servo brake

Experiments

- Study how to maintain of the braking system
- Calculate the efficiency of braking system
- Simulate the front circuit failures
- Simulate the rear circuit failures
- Simulate the presence of water in the braking system
- Recognition study of servo brake
- Study the functioning of service brake
- Study efficiency of braking system with different brake temperatures.
- Options: ABS & ESP functions offered in the brake system simulator.
- Power source require : 380V, 3Ph, 50Hz
- Machine dimensions : 120 X 120 X 150H mm. Wt @ 100 kg gross

Note: Specifications are subject to change.

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