

**Product Name :**  
Hydraulic Double Circuit Brake System Simulator

**Product Code :**  
TechnicalLab0452

**Description :**

Hydraulic Double Circuit Brake System Simulator

This trainer is built with the authentic components of the braking system of a medium powered vehicle. This simulator is powered by a electronic three-phase 120V engine, which transmits motion to the front and rear wheels in two directions allowing you to:

- Test the efficiency, as well as simulate common failures, of both braking systems.
- Observe the servo-brake, which is connected to a vacuum pump and simulates it s motion.
- Effortlessly measure and change the pressure for the front and rear brake systems thanks to a range of manometers and taps.
- Use the lever connected to the brake pedal to assess the foot effort needed during braking.
- Differentiate each of the parts, which have been painted various colors for training purposes.

**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 a hydraulic engine in order to transmit the motion to the wheels
- A range of manometers to measure the various pressures
- A range of taps to simulate circuit interruptions
- Vacuum pump for servo brakes
- Simulate front and rear circuit failures
- Simulate the presence of water in the system
- Electronic three phase 120V engine

#### APPLICATIONS:

- Practice brake system maintenance
- Test the efficiency of the braking system
- Simulate the front circuit failures
- Simulate the rear circuit failures
- Simulate the presence of water in the braking system
- Recognize servo brake presence
- Observe the functioning of the service brake
- Observe how temperature affects the efficiency of the braking system

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