

Product Name :
ABS Simulator - Electrical

Product Code :
TechnicalLab0466

Description :

ABS Simulator - Electrical

The electrical ABS Simulator was created to show how an ABS in a modern car operates. The simulator saves space as it sits on a table-top and allows you easily:

- Educate about how ABS operates in fully functioning condition or with multiple faults and disconnections.
- Instruct on how to detect low fluid level, measure pressure and different control signals, how a hydraulic ABS valve operates, how brake systems work, and more.
- Introduce your students to self-diagnostic control and fault diagnosis process.
- Access theoretical and practical study in the educational manual provided.

EXPERIMENTS:

How ABS Operates:

- with one wheel speed sensor disconnected
- when wheels are rotated at different speeds

- when wheels are rotated at same speed
- with destroyed hydraulic valve
- with hydraulic valve stuck
- with different relative speed turn of wheels

How to detect:

- low fluid level

How to measure:

- pressure during operation
- different control signals in the ABS system

How brake system works:

- when the electronic brake unit is disconnected
- when there is leakage

How Hydraulic ABS valve operates

Self-diagnostic control

Fault diagnosis process

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