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## ABS Brake Simulator

Tesca's ABS Brake Simulator is a high-precision training unit designed to replicate modern anti-lock braking systems for educational environments. Equipped with an actual ECU, wheel speed sensors, and a modulated hydraulic system, the simulator allows students to observe, analyze, and interact with ABS dynamics in real time — complete with safety cutoffs and a digital data interface.

### Key Features

- ✓ **Real ECU Integration:** Simulates actual electronic ABS control
- ✓ **Wheel Speed Sensors:** Four independent sensors for dynamic feedback
- ✓ **Modulated Hydraulic System:** Replicates braking behavior under ABS activation
- ✓ **Data Visualization Interface:** View speed, pressure, and ABS actuation in real time
- ✓ **Built-In Safety Cutoff:** Ensures safe usage for students and instructors
- ✓ **Hands-On Learning:** Ideal for live diagnosis, fault simulation, and signal tracing

### Technical Specifications

Parameter	Specification
System Type	ABS Brake Simulation Unit
Control Unit	Real ABS ECU (Microcontroller Based)
Sensors	4x Wheel Speed Sensors
Hydraulic System	Modulated, Simulated Brake Circuit
Display Interface	Digital Dashboard with Data Visualization
Fault Simulation	Manual Fault Insertion Capability
Safety Features	Emergency Cutoff Switch, Overcurrent Protection
Training Aids	Printed Manual + Diagnostic Software Tools
Power Supply	230V AC / 50Hz

Note: Specifications are subject to change.

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