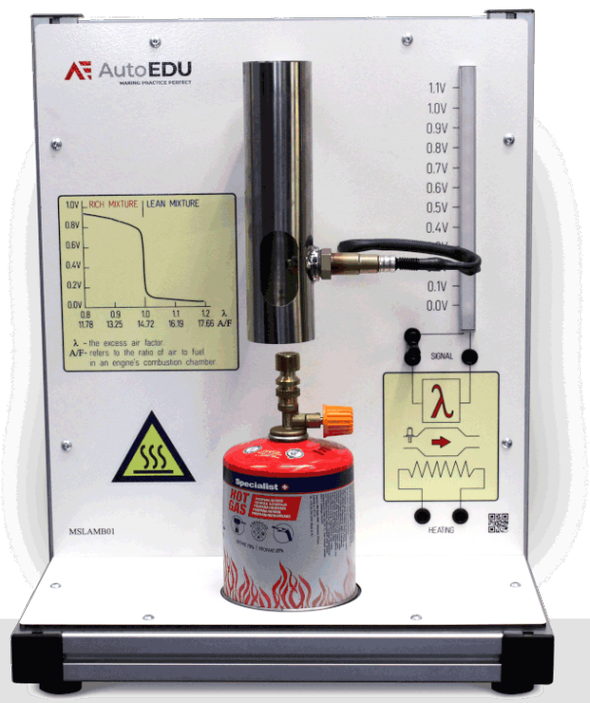
LAMBDA SENSOR EDUCATIONAL TRAINER

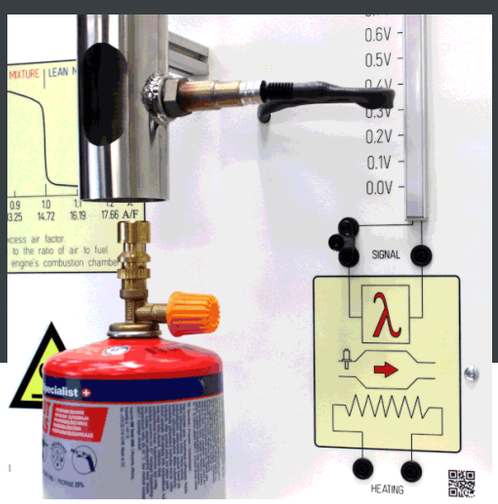
A1 Product number MSLAMB01

Compact and mobile trainer designed to demonstrate the operating principles of zirconia-type lambda (oxygen) sensors used in automotive exhaust systems. The trainer includes a functional sensor exposed to simulated exhaust heat and variable air-fuel ratios. Real-time output voltage changes are displayed via LED bar and external multimeter connection points. Manual controls allow mixture simulation from rich to lean conditions. Integrated educational diagrams support visual understanding of closed-loop fuel control systems.



Features

- Real working zirconia-type lambda sensor.
- Manual rich/lean mixture simulation with gas heating.
- Vertical stainless steel heating chamber with flame observation window.
- LED voltage indicator bar from 0.0 V to 1.1 V.
- Signal and heater terminals for external measurement.
- Educational fuel/air mixture chart with λ and A/F correlation.
- Quick setup with no software or calibration required.



Specifications

- Sensor type: Zirconia narrow-band lambda sensor.
- Output voltage range: 0.1 V (lean) to 1.1 V (rich).
- Heater resistance testable via external terminals.
- Visual display: LED voltage bar.
- Power supply: 220V (110V US).
- Dimensions: 525 x 374 x 420 mm (20.66 x 14.72 x 16.53 inch)
- Weight: approx. 9.95 kg (22lbs)
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