

Robot System R-ABC

for Accelerator, Brake and Clutch pedal



Fig.: Example picture of Robot

Application

- Driving of vehicles on chassis dynamometers for EMC tests
- Actuation of pedal positions to external, analogue set-points

Specifications

- Due to pneumatically operation no EMC emission
- Emergency-Off safety principle
- Safe non-energized basic positions. The accelerator, brake and clutch pedals are released
- Quick snap-in mechanism of pedal actuator for individual settings
- Easy mounting in the vehicle
- Automatic control by a digital control system (PC compatible software is included)

Technical Data

| Stroke distance accelerator adjustable | 0 to 100 mm |
|--|-------------|
| Strength | 200 N |
| Stroke distance brake adjustable | 0 to 125 mm |
| Strength | 350 N |
| Stroke distance clutch adjustable | 0 to 150 mm |
| Strength | 350 N |

Signal Pressure



Power consumption 208-230 VAC, 50/60 Hz, single-phase

Current approx. 0.5A Fuse T 2A, 250V

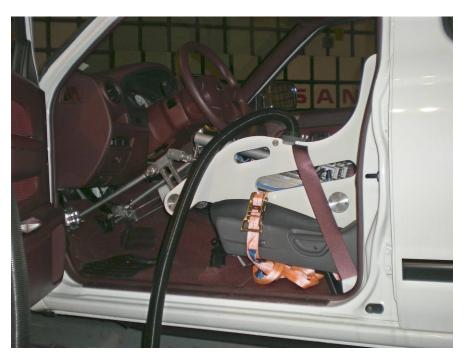
Compressed Air Supply via pressure regulator and ½ inch

quick connector 0.2 – 1.0 bar

Nominal Pressure 5 bar

Lengths of lines Air tube 5 m from Dynamometer to Robot

Operating Temperature 5°C to 40°C Total weight of actuator approx. 25 kg



Brief description

The Robot R-ABC allows the stepless adjustment of the accelerator and brake pedal inside EMC Chambers preferably in combination with chassis dynamometers.

The R-ABC can be controlled directly from NCD controller with the software included.

The control allows the adjustment and storage of different test cycles and applications.

The NCD and drive unit are located outside the chamber and is only connected to the actuator with two compressed air tubes in order to avoid any EMC emissions.

Information presented enclosed is subject to change as product enhancements are made regularly. Pictures included are for illustration purposes only and do not represent all possible configurations.