maturo GmbH
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Robot System R - AB
for accelerator and brake pedal

Remote controlled vehicle driving on chassis dynamometer for EMC tests

- Actuation of pedal positions to external, analogue setpoints
- Safe non–energized basic positions
- Quick snap–in mechanism of pedal actuator for individual settings
- Easy mounting in vehicle
- No EMC emission due to pneumatic operation

Brief description

The Robot R-AB allows the stepless adjustment of the accelerator and brake pedal inside EMC Chambers preferably in combination with chassis dynamometers.
The R-AB can be controlled directly from our controller with the software included. The control allows the adjustment and storage of different test cycles and applications.
The controller 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.

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Technical data

Stroke distance accelerator steppless adjustable Strength	up to 100 mm 200 N
Stroke distance brake steppless adjustable Strength	up to 125 mm 350 N
Power consumption	208 VAC – 230 VAC, 50Hz / 60 Hz, single phase
Current consumption	approx. 0.5 A
Fuse	2 A, 250 V
Compressed air supply	via pressure regulator and 0.5 inch quick connector
Signal pressure	0.2 – 1.0 bar
Nominal pressure	5 bar
Length of lines	Air tube 5 m from dynamometer to robot
Operating temperature	5° C – 40° C
Total weight	approx. 25 kg

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.

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