Software Electronics Sensors

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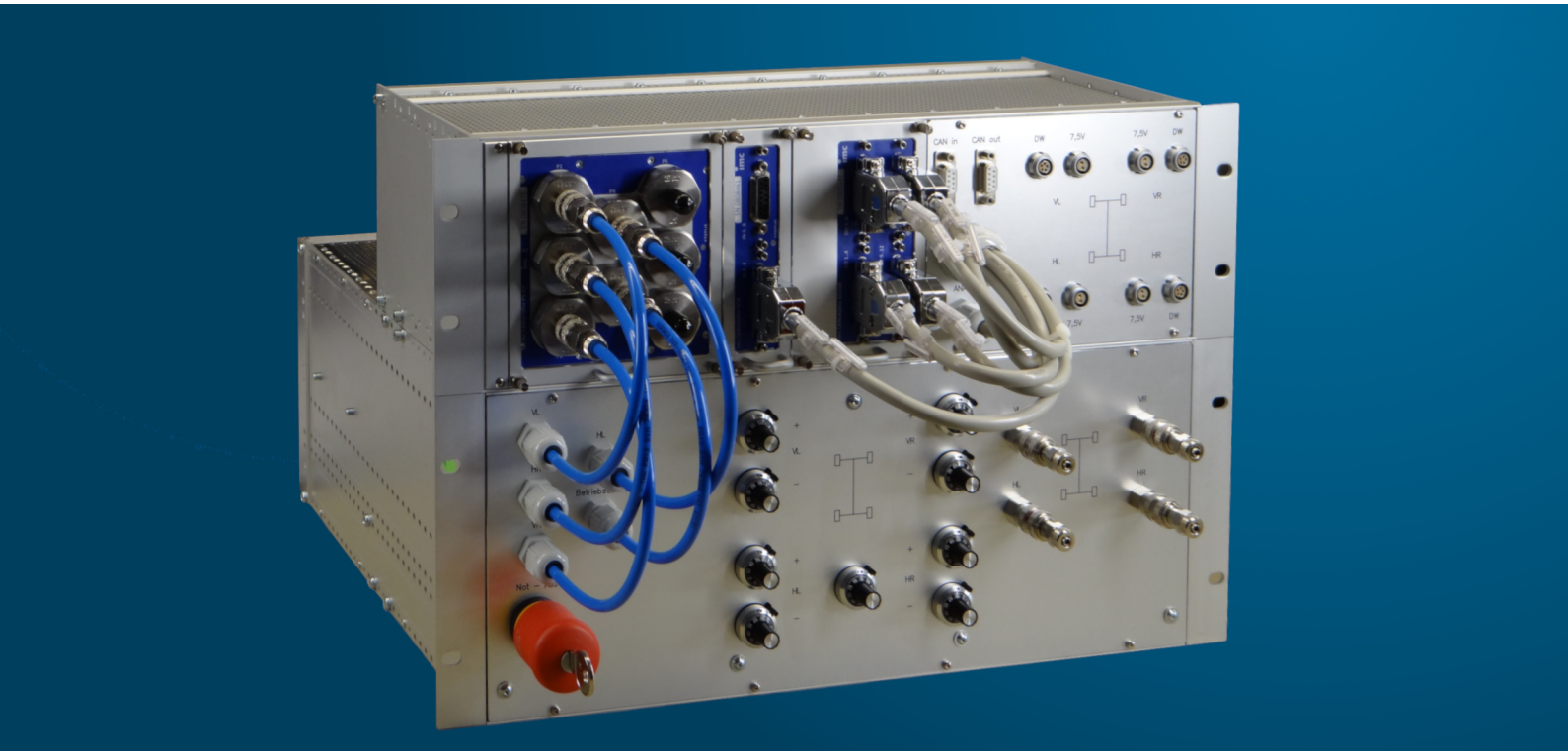

Control technology for automotive air shock absorbers

Product description

This CAN bus controlled sensor/actuator module is used for the simulation of control units in vehicle air suspensions.
All four air shock absorbers can be controlled, raised or lowered separately.
The system is also suitable for testing vehicles with level compensation on the rear axle, as both airshock absorbers can be raised or lowered together.

Field of application

Laboratory, research & development, quality control, garage

www.itgroup-europe.com

ITronic GmbH
Rathausgasse 20
D-71729 Erdmannhausen
T +49 (0)71 44-8711-00
sales@itgroup-europe.com

ITronic Kft.
Vasút u. 16A
H-8440 Herend
T +36-88-591-020
info@hu.itronic.biz

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Technical data

Test bench/device

- 19", 7U rack-mountable aluminium housing
- Pluggable high-pressure connections, external supply 0...20 Bar
- Eight analogue inputs ±10 V, 16 bit resolution

Software

- Customer specific softare, adapted to test bench requirements
- single testing, endurance testing

Scope of testing

- Lifting/lowering air springs
- 4 pneumatic channels, separate controllable, each 0...20 Bar, frequency up to 100 Hz
- Taring air springs
- Pneumatic switching matrix for controlling the individual air springs with cross compensation valves
- Connection of two analogue wheel height sensors with 16 bit resolution
- Eight precision high-pressure sensors, 0 to 20 bar, resolution 0.1 mbar
- Pressure drop measurement up to 1 mbar per hour
- Leakage test

Input-/visualisation units

- Can be integrated according to customer requirements

Dimensions/Transport

- Approx. 483x310x400 mm (WxHxD)
- Weight approx. 21 kg

Test time

- Individual, depending on test scope

Exemplarly device type

- 365 7841

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