



FlexGen-S PWG

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BENEFITS

- Replay of reproducible drive profiles
- Up to 6 curve progressions storable (max. 1,000 measurement points)
- Stand-alone operation without PC

SIMULATION OF VARIABLE ACCELERATOR POSITIONS

The PWG simulator FlexGen-S PWG represents an electronic solution to substitute the original accelerator sensor of vehicles and, by doing so, to generate reproducible accelerator positions in test benches.

As opposed to mechanical actuators with their inertia, this small handy tool represents a cost-efficient alternative. Furthermore, no noise is caused that is acoustically perceivable.

The PWG simulator can be used by any vehicle manufacturer due to different configuration options and various interfaces. For this, two analog outputs according to the original potentiometer voltage level as well as two PWM signals are available for reproduction.

For an automated operation, the device can be activated externally via CAN or an analog input.

All settings and adjustments can be made quickly and comfortably via the configuration and display software included.

FlexGen-S PWG

FIELDS OF APPLICATION

- Motor test benches
- Acoustic vehicle test benches
- Endurance test benches
- Replay of reproducible drive profiles for error diagnostics and vehicle analysis

CHARACTERISTICS

- Generation of two separated analog values with 12-Bit resolution (4,096 steps)
- Generation of two PWM signals
- Accelerator value specification via an appropriately configured process, via integrated rotary encoder from 0 to 100%, via analog input 0 to 10V or via CAN (ID, Baud rate configurable via PC)
- Import/export of curve progressions for processing in CSV files
- Open/lock button for immediate locking and generation of accelerator value 0%
- Status LEDs for signaling current PWG specifications in steps of 10%

ORDER NUMBER

70007772

SCOPE OF DELIVERY

- FlexGen-S PWG (device)
- Configuration and display software
- USB driver
- Manual

ACCESSORIES (OPTIONAL)

- Cable set universal with terminal plate for the vehicle (70006272)
- Adapter cable set on demand
- Fastening bracket

TECHNICAL DATA

Name	FlexGen-S PWG	Comments
Voltage supply	6 V... 18 V (Optional: 6 ... 28 V)	KI.30 permanent positive
Operating temperature	-20°C to +85°C	
Dimensions (L x W x H)	100 x 100 x 30 mm	
Charging rate	< 50 mA	
Analog Out	2 x 0...5 V	
PWM Out	2 x 5 V or 12 V	Level parametrizable internally
USB	USB 2.0, full speed	
Status LEDs accelerator value	10 units	Step size 10%
CAN	CAN high, CAN low (Baud rate adjustable)	parametrizable for external control value specifications
Analog In	0... 10 V	External control value specifications