

VariStep3 MOTORTECH Stepper Motor Driver Control







The stepper motor driver control developed by MOTORTECH guarantees the ideal control of the various types of MOTORTECH VariFuel2 air/gas mixers and throttle bodies with integrated stepper motor.

- Precise mixer and throttle adjustment due to microstep operation
- · Very fast response times
- Increased power output provides high torque and quick movement even when driving big stepper motors
- Accelerated reference run
- · LEDs displaying unit status and activity
- Combination of several units without signal amplifier/splitter
- Integrated CANopen and Modbus RTU interface
- Configuration via MICT software
- · Error data logging for improved diagnostic options
- Compact design
- · Plug-in terminals
- · Easy access to connectors and switches
- · Switch board installation on DIN rail



Technical Data

- 18-32 VDC power supply
- -20 °C up to +60 °C (-4 °F up to 140 °F) ambient temperature
- 0-20 mA/ 0-10V analog input and output, flexible configuration
- 5 digital inputs, 5 to 32 V compatible, DC-isolated
- 6 digital outputs, up to 32 V, 100 mA, DC-isolated

Interfaces

- CAN Bus 2.0b interface (CANopen protocol)
- RS485 interface (Modbus RTU)
- USB 1.1 interface

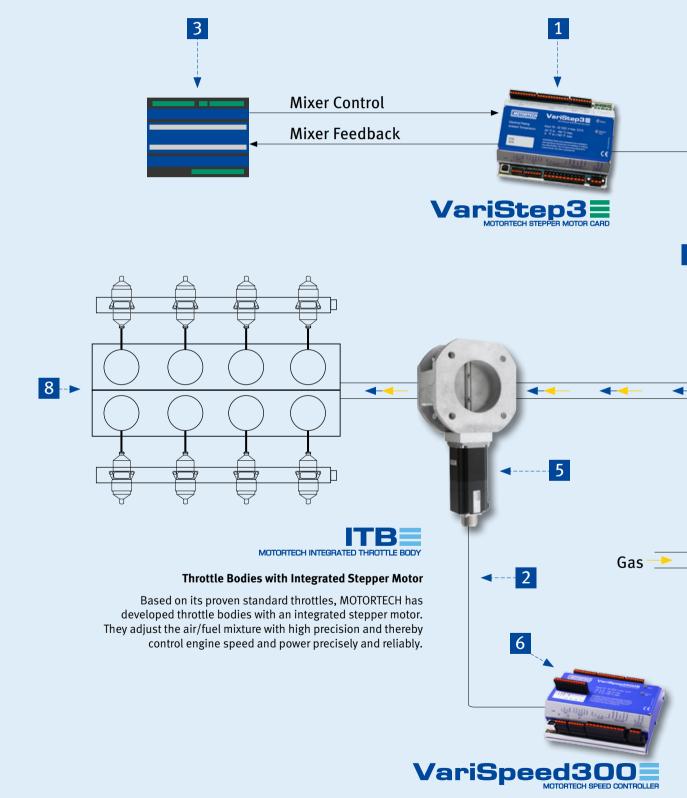
Configuration

- Using the graphic user interface MICT (MOTORTECH Integrated Configuration Tool)
- Manual control via push-button

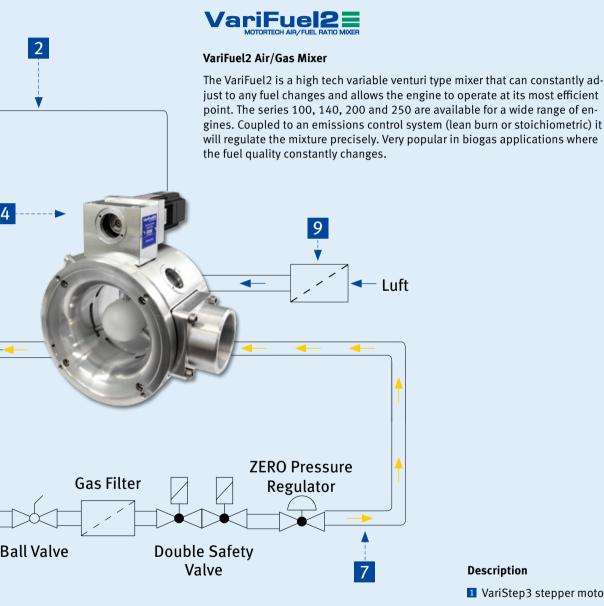
Housing

- Protection class IP 20
- Dimensions 160 x 126 x 62 mm (6.3 x 5.0 x 2.4 in.)

System Overview







Description

- 1 VariStep3 stepper motor driver control
- Stepper motor harness
- 3 Emissions control system
- 3 VariFuel2 air/gas mixer
- 4 ITB throttle body with integrated stepper motor
- 5 VariSpeed300 speed controller
- 6 Gastrain
- **7** Engine
- 8 Air filter

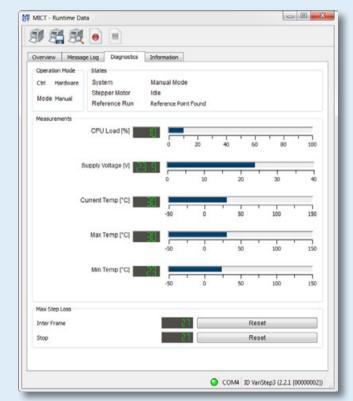


MICT - MOTORTECH Integrated Configuration Tool

The MICT is the graphical user interface for the VariStep stepper motor card. All functions of the VariStep are user programmable and can be displayed individually.

- Language selectable (DE/EN/CN)
- Microsoft Windows XP/Vista/7 compatible
- Programmable for different VariFuel2 models, ITB throttle series and throttle gears
- Configuration of inputs and outputs
- Preadjustment of two fixed mixer positions
- Display of debit and actual value as well as operation status
- Permanent data aquisition
- Configuration of CAN Bus interface for ALL-IN-ONE signals
- Print function of a given moment in the operation can be used for external problem analysis, etc.
- Context sensitive online help
- Different access levels to avoid accidental misconfigurations





Order Information

P/N	Description	Scope of Delivery
31.01.960	VariStep3 stepper motor driver control	Stepper motor driver control, USB interface cable, MICT configuration software, Operating manual



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This is entirely in keeping up with our motto: Let us drop everything and work on your problem!



















MOTORTECH GmbH

Hogrevestr. 21-23 29223 Celle, Germany Phone: +49 5141 93 99 0 +49 5141 93 99 99 Fax: www.motortech.de

motortech@motortech.de

MOTORTECH Americas, LLC 1400 Dealers Avenue, Suite A

New Orleans, LA 70123 Phone: +1 504 355 4212 +1 504 355 4217 www.motortechamericas.com info@motortechamericas.com

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