ServoCraft

Throttle Actuator

The **FEV ServoCraft** is a universal linear-actuator for operation of throttle valves and injection pumps for combustion engines. The actuator consists of a brushless servo motor. The rotary motion is transformed into a highly accurate linear motion with integrated position feedback signal.

Effective traveling distance can be limited by mechanical stops and normalized during automatic teach-in cycle. In addition the actuation force can be adjusted. Direct manual setup of the actuator is easy by means of the 3,5“ touch-screen of both remote control or power unit.

The control and power unit is a compact 19“ rack of 3 HU while the included remote control can be placed close to the actuator for easy adjustment and maintenance.

Your benefits

- Highly accurate linear drive unit, maintenance-free construction
- Easy operation
- Graphical 3,5“ full colour QVGA touch-screen user interface
- Drive mode selectable between set-up and operation
- External set point input and position feedback
- Setup operation manualy or automatically
- Actuation force adjustable

CONTACT
FEV GmbH
Neuenhofstraße 181
52078 Aachen, Germany
phone +49 241 5689-0
fax +49 241 5689-119
e-mail marketing@fev.com

ServoCraft/E/BT/I/2014

ServoCraft

Throttle Actuator

Technical Data

Actuator	Brushless servo motor; turning motion is transformed into linear motion
Shifting travel	125mm, longer stroke on request
Max. actuation force	200N (500N short duration)
Max. travel speed	100mm in 100ms
Positioning accuracy	< 0,2mm
Temperature range	-20...+55°C
Protection class	IP65
Dimensions Actuator (w x h x d)	150 x 130 x 240mm
Weight	9,8kg
Mechanical connection to test object	Flexball® - cable
Control and power unit	19"; 3 HU
Power supply[1)]	110-240 V AC
Power supply frequency	47 - 63Hz
Current	max. 13A
User Interface	3,5“ Touch Screen, QVGA
Position setpoint signal	0 - 10V
Position feedback signal	0 - 10V
Digital input interface	Optocoupler, 15-30V, 5mA
Digital output interface	24V, max. 100mA
Temperature range	0 - 50°C
Weight	9,8kg
Color	RAL 7035 / RAL 9011
Option USV	Interruption free power supply
Remote control	3,5“ Touch Screen, QVGA, dimensions 180 x 155 x 70mm incl. wall mount