OEM Automatic Ltd
Address: Whiteacres, Whetstone Leicester, LE8 6ZG
0116 284 9900 | Orders@oem.co.uk | www.oem.co.uk

ACTUONIX - MINIATURE LINEAR ACTUATOR P16

P16-50-256-12-P
12V, 50mm stroke, up to 300N force with potentiometer



- Up to 300N force
- Up to 46mm/s speed
- From 50mm to 200mm stroke
- 12v dc with potentiometer or limit switches

PRODUCT DESCRIPTION

Actuonics P16 actuators are complete miniature actuators with sophisticated positioning control through end position sensors or via potentiometers. Featuring a compact side by side design with a planetary gearbox, these units offer higher speeds, higher forces and longer life than their other units.

Control Options for Miniature Controller P16:

P16-S series: End switch
S variant has factory set end switches that turn off the power when the actuator reaches 0.5mm of the end of the total stroke.

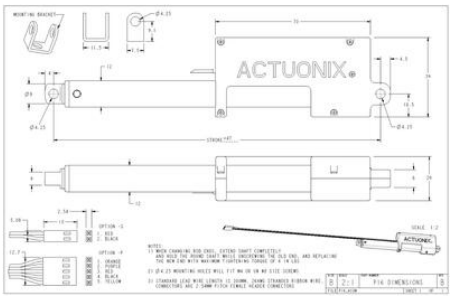
P16-P series: Position feedback via potentiometer
The P variant has no built-in control unit, but provides an analogue feedback feedback channel that can be fed into an external controller as a positional reference.

TECHNICAL DATA

Back drive force	500 N
Duty cycle	20 %
IP class	IP54
Nominal speed, no load	48 mm/s
Ratio	256:1
Sound level	62 dB
Static load max	300 N
Stroke	50 mm
Supply voltage	12 V DC
Temperature operational max	50 °C
Temperature operational min	-10 °C
Weight	95 g

P16-SS-GG-VV-C

Feature	*Options*
SS: Stroke	**50, 100, 150,200** (mm)
GG: Gear reduction ratio (refer to load curves above)	**22**, **64**, **256** :1 (lower ratios are faster but push less force, and vice versa)
VV: Voltage	**12** Volts DC
C: Controller	**P** Potentiometer Feedback **S** Limit Switches



P16-SS-GG-VV-C

Feature	*Options*
SS: Stroke	**50, 100, 150,200** (mm)
GG: Gear reduction ratio (refer to load curves above)	**22**, **64**, **256** :1 (lower ratios are faster but push less force, and vice versa)
VV: Voltage	**12** Volts DC
C: Controller	**P** Potentiometer Feedback **S** Limit Switches

