



Datasheet T300PS

Articlenumber 1003390

Halfbridge Transducer pluggable with 36.88 mm/Vmm sensitivity and ± 2 mm measuring stroke, Pretravel adjustable. Pneumatic push. Cable length variable, cable exit variable.



Total Stroke, Measuring stroke, Pretravel, Pretravel default setting, Bearing, Lifetime, Tip rotation, Temperatur range, Mounting position, Tip, Bellow, Body diameter, Plug, Pneumatic connection

Total Stroke	4.6 mm
Measuring stroke	± 2.0 mm
Pretravel	adjustable
Pretravel default setting	+ 2.35 mm
Bearing	Ball bearing, no side-play
Lifetime	> 10 Mio. Cycles, bellow wear part exchangeable
Tip rotation	1° over full stroke
Temperatur range	-10 to +65 °C, storage and operation
Mounting position	any
Tip	\varnothing 3.0 mm tungsten carbide ball, M2.5 fixing thread, exchangeable
Bellow	FPM
Body diameter	8h6
Plug	M8, 4 pin
Pneumatic connection	Nipple glued, not screwable, factory-mounted





Datasheet T300PS

Articlenumber 1003390



Advance, Lift off, Pressure Pmax, Pressure P application, Spring rate, Spring rate information

Advance	pneumatic
Lift off	return spring
Pressure Pmax	1.5 bar
Pressure P application	0.7 bar
Spring rate	$F = f(p)$ N
Spring rate information	apx. 1.0 N at 0.7 bar / apx. 0.6 N at 0.5 bar application pressure (at el. zero)

Repeatability, Linearity error

Repeatability	0.01 μ m
Linearity error	0.5% FS (full-scale) \pm 2000 μ m range (at 20 °C \pm 1°C)

Sensitivity, Setting, Amplifier input load, Supply voltage, Drive frequency, Coil scheme

Sensitivity	36.88 mV/(Vmm)
Setting	1:2
Amplifier input load	2 kOhm Input resistance, \pm 0.1%
Supply voltage	3.0 V \pm 0.5% RMS
Drive frequency	13.0 kHz \pm 5%
Coil scheme	Halfbridge, TESA® compatible

Documents information

Documents information	All drawings and 3D models are shown in "electrical zero" position.
-----------------------	---

