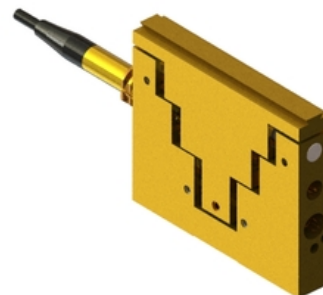




## Datasheet T851

Articlenumber 1002227

Fullbridge Block Gauge with 150.00 mm/Vmm sensitivity and  $\pm 1$  mm measuring stroke, Pretravel adjustable. Cable 2 m, cable exit axial.



### Total Stroke, Measuring stroke, Pretravel, Pretravel default setting, Bearing, Lifetime, Tip rotation, Temperatur range, Mounting position, Tips, Plug, Cable feature, Cable

Total Stroke	6.0 mm
Measuring stroke	$\pm 1.0$ mm
Pretravel	adjustable
Pretravel default setting	- 1.2 mm
Bearing	Ball bearing, no side-play
Lifetime	> 10 Mio. Cycles
Tip rotation	1° over full stroke
Temperatur range	-10 to +65 °C, storage and operation
Mounting position	any
Tips	can be mounted
Plug	M16x0.75, 5-pin, DIN45322
Cable feature	PUR shielded, length 2 m
Cable information	Outer- $\varnothing$ 4.0 mm, drag chain compatible

### Advance, Spring rate, Spring rate information, Spring rate optional, Optional pneumatic retraction and feed

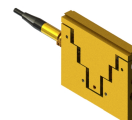
Advance	spring push
Spring rate	1.0 N
Spring rate information	at electrical zero, tolerance $\pm 15\%$
Spring rate optional	0.4 N / 0.63 N / 1.6 N / 2.0 N / 2.5 N / 4.0 N
Optional pneumatic retraction and feed	Pneumatic cylinder assembly T800/88000





## Datasheet T851

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### Repeatability, Linearity error

Repeatability	0.01 $\mu\text{m}$
Linearity error	0.25% FS (full-scale) $\pm$ 1000 $\mu\text{m}$ range (at 20 °C $\pm$ 1°C)

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

Sensitivity	150.00 mV/(Vmm)
Setting	1:1
Amplifier input load	100 kOhm Input resistance, $\pm$ 0.1%
Drive frequency	5.0 kHz $\pm$ 5%
Supply voltage	3.0 V $\pm$ 0.5% RMS
Coil scheme	Fullbridge (LVDT)

### Documents information

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