

Datasheet T852

Articlenumber 1002228

Fullbridge Block Gauge with 150.00 mm/Vmm sensitivity and ± 1 mm measuring stroke, Pretravel adjustable. Cable 2 m, cable exit radial.



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 | ± 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 | 5 pin, 240° |
| 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

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|--|--|
| Advance | mountable |
| 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 |

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Repeatability, Linearity error

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|-----------------|---|
| Repeatability | 0.01 μm |
| Linearity error | 0.25% FS (full-scale) \pm 1000 μm range (at 20 °C \pm 1°C) |

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

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

Documents information

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