

ANSxy100std/LT xy-Scanner made from Titanium

1005218

Technical Specifications

| Size and Dimensions | |
|---|--------------------------------|
| footprint; height | 24 mm x 24 mm; 10 mm |
| maximum installation space | 24 mm x 24 mm; 10 mm |
| weight | 18 g |
| Materials | |
| positioner body | titanium |
| actuator | PZT ceramics |
| connecting wires | insulated twisted pair, copper |
| Coarse Positioning Mode | |
| input voltage range | 0 - 120 V |
| Fine Positioning Mode | |
| fine linear positioning range @ 300 K | 40 x 40 μm |
| fine linear positioning range @ 4 K | 9 x 9 μm |
| fine positioning resolution | sub-nm |
| typical actuator capacitance fine @ 300 K | 0.6 μF |
| typical actuator capacitance fine @ 4 K | 0.1 μF |
| input DC voltage range @ 300 K | 0 - 120 V |
| input DC voltage range @ 4 K | 0 - 150 V |
| Load (@ ambient conditions) | |
| maximum load | 200 g |

