



Ultra Miniature XYZ NanoPositioner

Small Size, 15mm OD

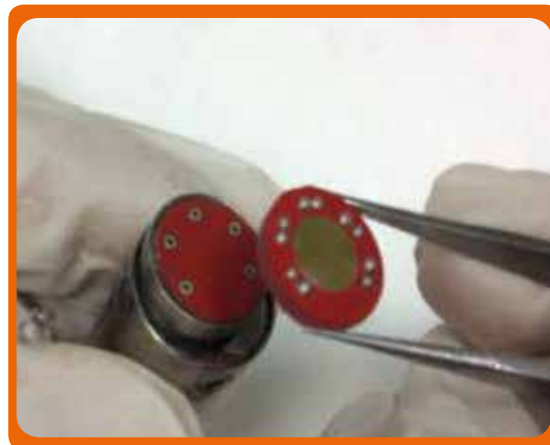
Capacitive Position Sensor

1 μ m resolution

Ultra Low Temperature Operation, 10mK

System Specifications

- Small Size: \varnothing 15mm x H45mm
- 5mm Motion in Z, 5-500nm step size
- 2mm Motion in XY, 5-500nm step size
- Non-Magnetic construction: Titanium, Sapphire etc.
- High Magnetic Field operation, up to 45 Tesla
- Ultra Low Temperature Operation 10 mK-300K
- Capacitive Position Sensor with 1 μ m resolution
- No Heat Dissipation
- High Vacuum Operation to 10^{-6} mbar
- No need for low electrical resistance wires, up to 500 Ω





NanoPositioner Control Electronics

System Specifications

- Three Axis Nanopositioner Control Electronics
- USB 2.0 Interface
- Lab View Drivers
- Universal Power Supply, 100-230V AC
- 0-200V peak adjustable drive voltage
- Joystick
- Single Step/ Continuous operation
- Capacitive Encoder Operation

