



New Controller - MC-ArchimedesLT.03.Ultra

Multi-channels high-speed controller for closed-loop scanner control

➡ Features

- Capacitive sensing: Sub-nm displacement resolution | Tunable analog bandwidth
- High-speed Data acquisition: 50 kSa/s sampling rate | Synchronous multi-channel sampling
- Real-time communication: SPI communication between master and slave | 50 kSa/s stable data transmission | EtherCAT/ EtherNET/ USB3.0
- Closed-loop control: Sub-nm resolution at ultra-high speed | Synchronous multi-channel closed-loop control

➡ Interface & Functions

Communications

- * EtherCAT
- * EtherNET
- * USB 3.0

Drive terminals

- * Analog in
- * Analog out
- * Trigger in
- * Trigger out
- * Voltage Output

Sensing terminals

- * Sensor input
- * Tuning Knob
- * Analog out



Figure.1 Closed- loop scanner controller - MC-ArchimedesLT.03.Ultra.

Working together with Multifields® closed-loop scanner , each of three channels maintains synchronous and individual closed-loop control with sub-nm resolution.