Give robots a sense of touch

MLX90901 Tactaxis® Fingertip Module



ENGINEERING SAMPLE
Power up your robotic hand with the MLX90901 Tactaxis Fingertip Module. Its high-performance sensing capabilities and minimalist design allow for effortless integration right into the distal phalanges. This compact solution delivers the essential features needed to bring sophisticated, tactile interaction to your most advanced robotic systems.

Key features

ENGINEERING SAMPLES

- Mount and play
- Multi-fingertip module management
- Standard form factor
- Force sensing without blindspot
- Dynamic force range
- Easy to use
  - No end-of-line calibration
  - Compact module (18.5 x 23.6 x 9.4 mm3)
  - Lightweight
- Robustness against humidity, dust & temperature variations (IP65)
- Integrating tactaxis® technology with stray field immunity
- Standard I2C communication with external system





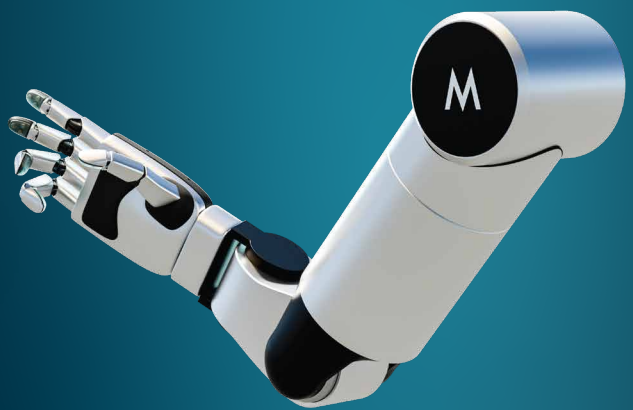
DVK90901 fingertip kit available



Adapt to your design

Applications

- 3D force vector (normal, shear)
- Contact detection
- Over force detection
- Force localization without blind spot



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