

AIDIN ROBOTICS Inc. is a robot company that started in the Robotics Innovatory laboratory in the School of Mechanical Engineering at Sungkyunkwan University. Based on the 'field sensing technology' accumulated since 1995, we are researching and developing new sensors. AIDIN ROBOTICS Inc, the professional technology company, will continue to strive for the company's vision of safer work and coexistence between humans and robots.

FORCE/TORQUE SENSORS, TORQUE SENSORS

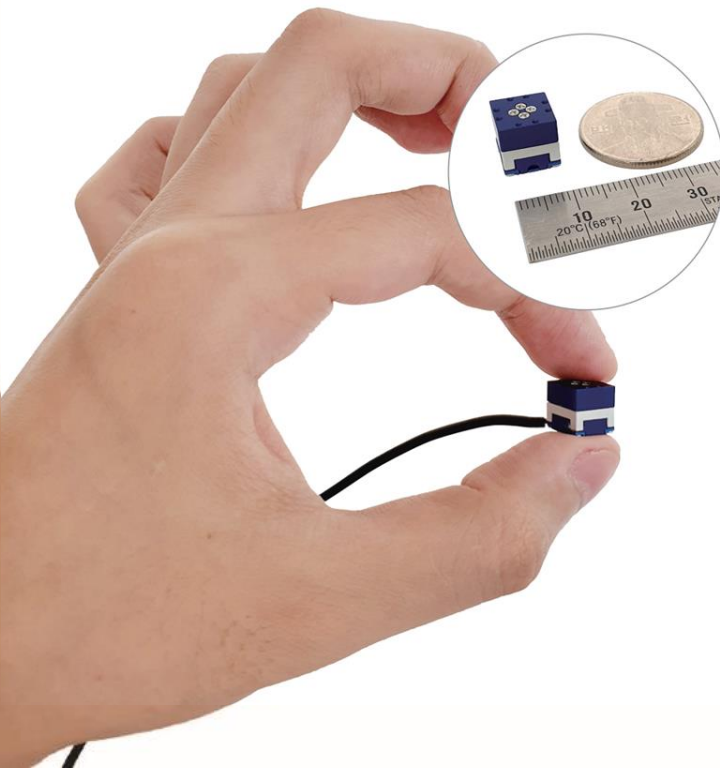
> AFT



> ATS Series



> AFT-MINI



TECHNICAL SPECIFICATIONS

Sensing response

< 1 ms

Dimensions

AFT-MINI : 10x10x10 mm

AFT80: Ø80x20.5 mm

ATS series : Ø100x14 mm, Ø128x14 mm

Sensing Range

AFT-MINI : Force : 20N, Torque : 150Nmm

AFT80: Force : < 200 N, Torque <15Nm

ATS series : Ø100x14 mm, Torque < 100 Nm

Ø100x14 mm, Torque < 200 Nm

Ø128x14 mm, Torque < 400 Nm

ELECTRICAL SPECIFICATIONS

Voltage supply

5V DC

Communication supplies

CAN , RS485, EtherCAT(Coming Soon)

Operating current

60 mA, max 100 mA

Connector

4 wires: (2 communication wire, VCC, GND)

APPLICATIONS

