

6-axis F/T Sensor

Compact Design, Ideal for Humanoid Robot Wrists

Front



6-axis F/T sensor

Embedded in Wrist

Back



6-axis F/T sensor (AFT150-D50)

- ✓ **Compact hollow-hole design** allows easy installation in tight, complex spaces such as robot joints and wrists
- ✓ Supports **CAN 2.0** and **CAN-FD**, selectable via commands
- ✓ **All-in-one** capacitance sensor design eliminates the need for additional amplifiers

APPLICATION

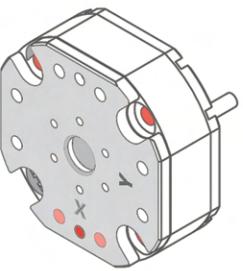
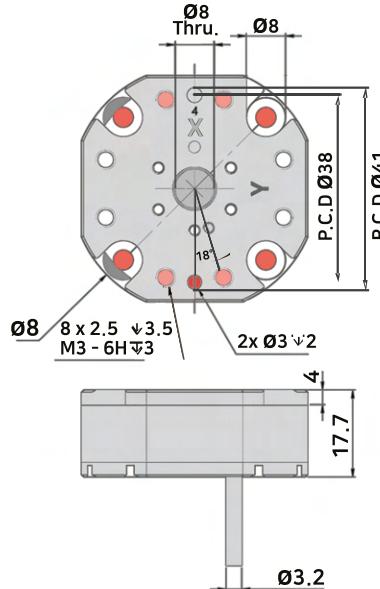
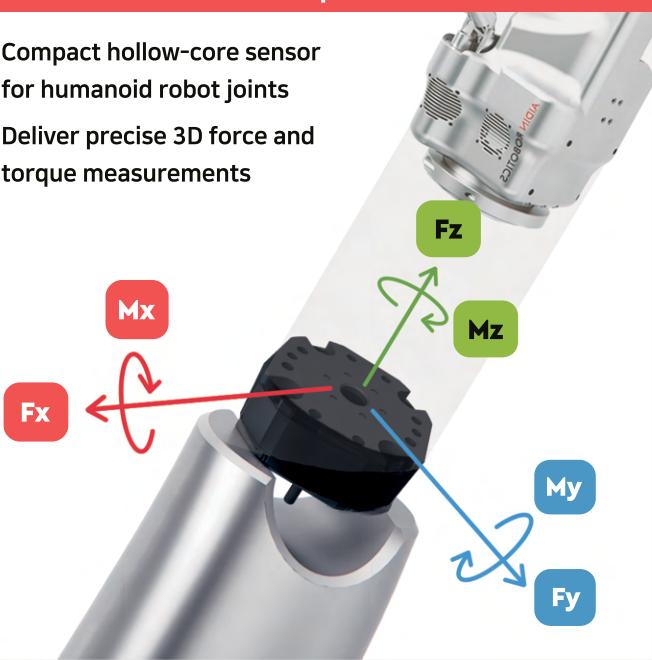
- ✓ Humanoid Robot

Index	Unit	Value
Operating Voltage	VDC	5
Max. safe excitation voltage	VDC	12
Nominal force range (Fxyz)	N	150
Nominal torque range (Mxyz)	Nm	7.5
Limit force (Fxyz)	N	300
Limit torque (Mxyz)	Nm	10
Dimensions	mm	D50 x H17.7
Weight	g	60
Temperature	°C	10~50
Sample rate	Hz	1000
Interfaces	1,000Kbps	CAN / CAN-FD
Wire	Length : 15cm	For User: CAN_H / CAN_L / VCC / GND

Compact hollow-core sensor for humanoid robot joints

Precise 3D force and torque measurements

- ✓ Compact hollow-core sensor for humanoid robot joints
- ✓ Deliver precise 3D force and torque measurements



AIDIN ROBOTICS Sensor Lineup for Humanoid Robots

