

(ATT)

Tactile Sensor

Sense of Touch in Humanoid

Fingertip Version

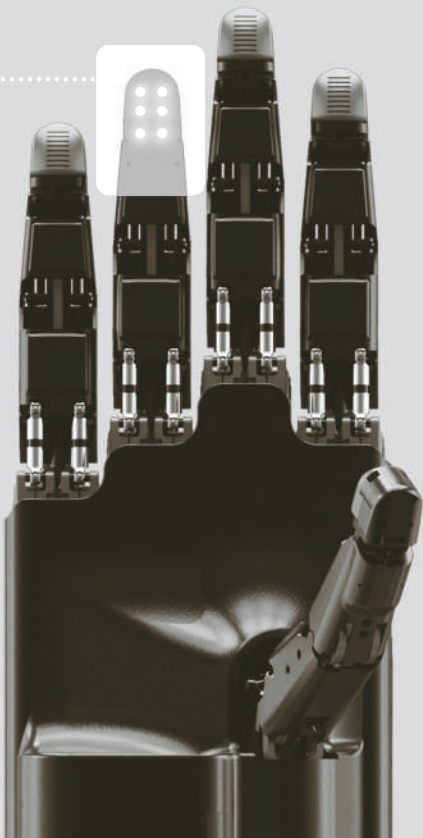


Standard



Tactile Sensor

In Fingertip



Tactile Sensor (ATT)

- ✓ Mounted on the hand area of humanoid robots to **provide tactile sensing**
- ✓ Polymer-based, highly flexible, and **adaptable to various shapes**
- ✓ Enables **precise force measurement** and real-time control with fast response
- ✓ Supports detection of **contact position** and **force** distribution through multiple sensing cells
- ✓ Helps handle a wide variety of objects with greater accuracy and stability

APPLICATION

- ✓ Humanoid Robot
- ✓ Robot Hand

Index	Unit	Value
Operating Voltage	VDC	5
Max. safe excitation voltage	VDC	12
Nominal force range	N	30
Force resolution	mN	6
Dimensions	mm	26(L) x 15(W) x 8(H)
Sample rate	Hz	100
Interfaces	-	CAN
Wire	-	For User: CAN_H / CAN_L / VCC / GND

AIDIN HAND & Tactile Sensor Configuration

Tactile Sensor (ATT)

- ✓ Force range: 30 N
- ✓ Force resolution: 6 mN
- ✓ Power: 5 V
- ✓ Sample rate: 100 Hz
- ✓ Hardness: Shore A 60
- ✓ Dimension: depending on the location (6T)

Communication

- ✓ Interfaces: CAN-FD
- ✓ Wire: CAN_H / CAN_L / VCC / GND
- ✓ Connector: FFC cable / molex (6 pin)

| Tactile on DP Cover
W 15.0mm x H 26.0mm

| Tactile on IP Cover
W 13.74mm x H 11.7mm

| Tactile on PP/MC Cover
W 18.0mm x H 17.9mm

Master controller

AIDIN ROBOTICS Sensor Lineup for Humanoid Robots

| 6-axis F/T Sensor (AFT150-D50)

| AIDIN Tactile Sensor (ATT)

| Joint Torque Sensor (ATSB)

| Miniature 6-axis F/T Sensor (AFT20/50/100)

| Joint Torque Sensor (ATSB)

| 3-axis F/T Sensor (3FT1000/2000)

Introduction Homepage Contact Us



✓ 031-360-7926
✓ sales@aidinrobotics.co.kr

✓ 5F, 12-20, Simin-Daero 327, Dongan-gu, Anyang-si,
Gyeonggi-do, Republic of Korea