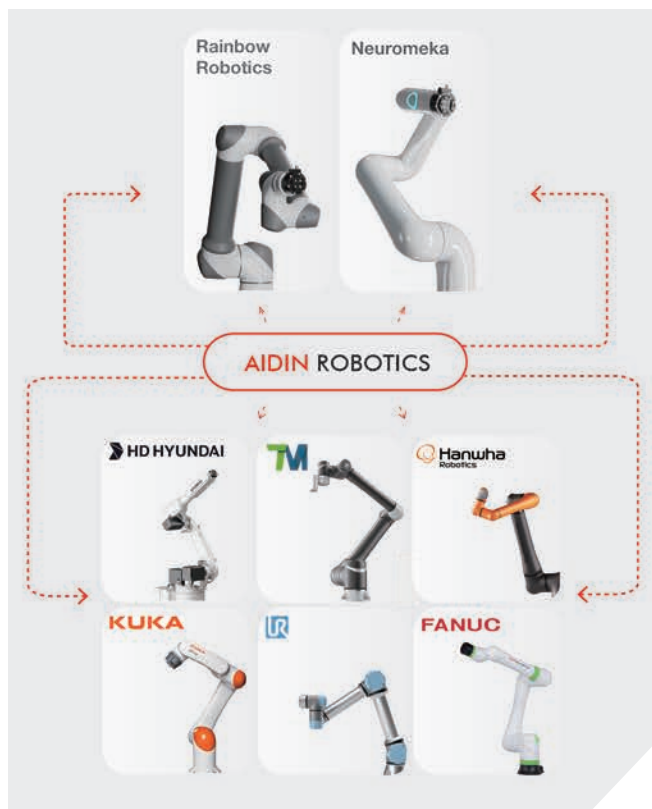


AIDIN ROBOTICS 6 axis F/T Sensor KIT

The F/T Sensor KIT, featuring **AIDIN ROBOTICS'** advanced force-sensing technology, is now optimized for the various robot brands. It overcomes the limitations of capacitance measurement and offers functions like force control and collision detection. This kit improves manufacturing efficiency and ensures safe human-robot collaboration.



KEY FEATURE

- ✓ A **plug-and-play F/T sensor** kit seamlessly optimized for multiple robot brands
- ✓ AIDIN Robotics self-developed Sensor
- ✓ applied with **advanced capacitance force-sensing technology**
- ✓ **Provide Customized KIT** for each collaborative robot band
- ✓ **Easy Set-up mode** in Teaching Pendant

FUNCTION

- ✓ Precise force measurement
- ✓ Force Control mode, accessible to any user directly via the teaching pendant
- ✓ Collision detection and stop functions through force measurement

APPLICATION

- ✓ Applicable to various processes requiring force control technology (Polishing, Sanding, Grinding, etc)



Applicable Model
RB3 / RB5 / RB10 / RB16
Indy7(v2, v3)



Processes for
assembling cables
or components



Smart Factory / Automation





Model AFT200-KIT-RB / NRMK



* Be sure to read the user manual carefully before using the product
* Detailed quantities may vary by brand



List of AFT200-KIT Component

Number	Product	Explain
1	AFT200-D80-C-H	CAN Hole Type
2	AFT200-D80-FLG-R-A	Flange Robot ISO9409-1-50-4
3	AFT200-D80-FLG-T-A	Flange Tool ISO9401-1-50-4
4	TIE MOUNTS	Cable tie mount block / BOLT-M3-6(Bolt M3-6mm (SCM) (3 bolts included)
5	PIN-SUS-ø6-14-H7M	Pin ø6 14mm SUS H7(-) ISO8734
6	PIN-SUS-ø4-10-H7M	Pin ø4 10mm SUS H7(-) ISO8734
7	Cable SET	Robot Cable Set (Customized by Robot Brand)
8	CABLE TIE	Nylon Cable tie
9	BOLT-M5-30	BOLT M5-30mm (SCM)
10	BOLT-M5-10	BOLT M5-10mm (SCM)
11	BOLT M6-12	BOLT M6-12mm (SCM)

Specification

Index	Unit	Value
Operating voltage	VDC	5
Max. Safe excitation voltage	VDC	12
Nominal force range	N	200
Nominal torque range	Nm	15
Resolution(Fxyz)	N	0.15
Resolution(Txyz)	Nm	0.015
Dimensions	mm	D80 * H52.3
Weight	g	505(Sensor 236g, Bracket 269g)
IP Rating		IP56
Operating temperature		10-50℃



User Manual

Application Guide



<https://www.aidinrobotics.co.kr>

✓ +82 031-360-7926
✓ sales@aidinrobotics.co.kr

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