AIDIN ROBOTICS
F/T Sensor KIT
for RB co-bot Series

The F/T Sensor KIT, featuring AIDIN ROBOTICS' advanced force-sensing technology, is now optimized for the Rainbow RB co-bot series. 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

- All-in-one F/T Sensor Kit **optimized for Rainbow RB Co-bot**
- AIDIN Robotics self-developed Sensor applied with **advanced capacitance force-sensing technology**
- Support **Plug&Play mode** based on collaborative robot brand
- **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

MODEL
AFT200-KIT-RB

APPLICATION

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

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Applicable Model
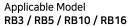**RB3 / RB5 / RB10 / RB16**

Processes for assembling cables or components

Smart Factory / Automation

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* Be sure to read the user manual carefully before using the product

List of AFT200-KIT-RB Component
(For RB Cobot)

Number	Part	Product	Quantity	Explain
1	FS004	AFT200-D80-C-H	1	CAN Hole Type
2	BS012A	AFT200-D80-FLG-R-A	1	4 x Flange Robot ISO9409-1-50-4
3	BS013A	AFT200-D80-FLG-T-A	1	4 x Flange Tool ISO9401-1-50-4
4	E0021A	TIE MOUNTS	3	Cable tie mount block / BOLT-M3-6(Bolt M3-6mm (SCM) (3 bolts included)
5	E0016A	PIN-SUS-Ø6-14-H7M	2	Pin Ø6 14mm SUS H7(-) ISO8734
6	E0017A	PIN-SUS-Ø4-10-H7M	6	Pin Ø4 10mm SUS H7(-) ISO8734
7	HS019A	RB Cable SET	1	Cable set for RB cobot
8	E0020A	CABLE TIE	3	Nylon Cable tie
9	E0015A	BOLT-M5-30	6	BOLT M5-30mm (SCM)
10	E0014A	BOLT-M5-10	4	BOLT M5-10mm (SCM)
11	E0023A	BOLT M6-12	4	BOLT M6-12mm (SCM)

Specification

Index	Unit	Value
Weight	g	505(Sensor 236g, Bracket 269g)
Operating voltage	VDC	5
Max. Safe excitation voltage	VDC	12
Nominal force range	N	200
Norminal torque range	Nm	15
Resolution(Fxyz)	N	0.15
Resolution(Txyz)	Nm	0.015
Dimensions	mm	D80 * H52.3
IP Rating		IP56
Operating temperature		10-60℃

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