

# **Single Axis Robot Controllers - Specifications / Options-**

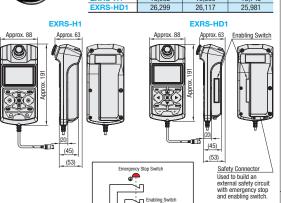
:Reduced Price



# **Maintenance Products**

### **Options**





When using a handy Terminal within the Robot movable envelope, please use EXRS-HD1 to build

#### Support Software (with USB Communication Cable / RS232C Communication Cable) Unit Price Volume Discount Rate Applicable Controller 2/3 pcs. 4/5 pcs. 5m EXRS-C1/C21/C22 7,189 7,007 6,916

\*The cables are for communications between controller and PC -\*LISB driver is included in Support Software















| _     |   | _ | _ |   |
|-------|---|---|---|---|
|       |   |   |   | - |
| _     |   | _ |   | - |
|       |   |   | - | _ |
|       | _ | _ |   | - |
| all a |   |   | - | _ |

| Part N         | umber               | EXRS-CB1               |                        |  |  |
|----------------|---------------------|------------------------|------------------------|--|--|
| Cable          | Length              | 2m                     |                        |  |  |
| Applicable     | Controllers         | EXRS-C1/C21/C22        |                        |  |  |
|                |                     |                        |                        |  |  |
|                |                     |                        |                        |  |  |
| Part           | Unit Price          | Volume Dis             | count Rate             |  |  |
| Part<br>Number | Unit Price<br>1 pc. | Volume Dis<br>2~3 pcs. | count Rate<br>4~5 pcs. |  |  |

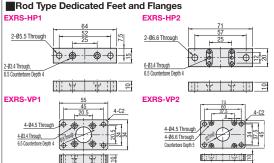


| Pin No. | Signal | Cable | No. | Sig         | olor | 1100 | al     | Cable | Pin No. | Signal | Cable |
|---------|--------|-------|-----|-------------|------|------|--------|-------|---------|--------|-------|
| A1      | +COM   | BR    | A11 | F.          | Br   | B1   | TO.    |       | B11     | OUT2   | BR    |
| A2      | +COM   | R     | A12 | PIN         |      | B2   | JT1    |       | B12     | OUT3   | R     |
| A3      | (NC)   | OR    | A13 | J0G+        | d    | ■P′  | #OUT?  | T.    | B13     | BUSY   | QR    |
| A4      | (NC)   | Υ     | A14 | JOG-        | Y    |      | PO     | Υ     | B14     | END    |       |
| A5      | PIN0   | G     | A15 | MANUAL      | G    | B5   | F 4    | G     | B15     | F      | , /   |
| A6      | PIN1   | BL    | A16 | ORG         | BL   | B6   | ৰ      | BL    | B16     | _ 188  |       |
| A7      | PIN2   | V     | A17 | /LOCK       | V    | B7   | أثدعنا | V     |         | (NC    | V     |
| A8      | PIN3   | GY    | A18 | START TEACH | GY   | B8   | POUT7  | GY    |         | W      | GY    |
| A9      | PIN4   | W     | A19 | RESET       | W    | B9   | OUT0   | W     | B19     |        | W     |
| A10     | PIN5   | BL    | A20 | SERV0       | BL   | B10  | 0UT1   | BL    | B20     |        |       |
|         |        |       |     |             |      |      |        |       |         |        |       |

### ■Instruction Manual

| Part     | Language | Type                       |                                    |          | Volume Dis     |                | _ |
|----------|----------|----------------------------|------------------------------------|----------|----------------|----------------|---|
| Number   | Lanyuaye | Type                       | Model                              | 1 volume | 2 or 3 volumes | 4 or 5 volumes |   |
| EXRS-MJ1 |          | For robot main structures. | RS1/2/3<br>RSD 1/2/3<br>RSDG 1/2/3 |          |                |                | 4 |
| EXRS-MJ2 | Japanese |                            | RSH1/2/3                           |          |                |                |   |
| EXRS-MJ3 | Japanese | For robot main structures. | RS1C/2C/3C                         |          |                |                |   |
| EXRS-MJ4 |          | (Clean Specifications)     | RSH1C/2C/3C                        |          |                |                |   |
| EXRS-KJ1 | 1        | For Controllers            | EXRS-C1                            |          |                |                |   |
| EXRS-KJ2 | 1        | FOI COITHOILEIS            | EXRS-C21/C22                       | 1.183    | 1,001 819      | 819            |   |
| EXRS-ME1 |          | For robot main structures. | RS1/2/3<br>RSD1/2/3<br>RSDG1/2/3   | 1,100    |                |                |   |
| EXRS-ME2 | Faallah  |                            | RSH1/2/3                           |          |                |                |   |
| EXRS-ME3 | English  | For robot main structures. | RS1C/2C/3C                         |          |                |                |   |
| EXRS-ME4 | 1        | (Clean Specifications)     | RSH1C/2C/3C                        |          |                |                |   |
| EXRS-KE1 | 1        | For Controllers            | EXRS-C1                            |          |                |                |   |
| EXRS-KE2 |          | I OF COTH OHEIS            | EXRS-C21/C22                       |          |                |                |   |
|          |          |                            |                                    |          |                |                |   |





For orders larger than indicated quantity, please request a quotation.

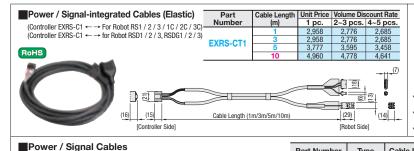
| EXRS-HP3                         |
|----------------------------------|
| 80                               |
| 68                               |
| 8 9 9 8                          |
| 2-06.6 Through<br>4-04.5 Through |
| 8 Counterbore Depth 5.5          |
| EXRS-VP3 83                      |
| 70<br>46<br>46<br>4-C2           |

| ounterbore Depth 5.5                                | #            | 4                | 12   |
|---|--------------|------------------|--|
| KRS-VP3   |              | 83               |  |
| 4-05.5 Through 4-06.6 Through Countertone Depth 5.5 | <b>+ (a)</b> | 70<br>6.5<br>6.5 | 4-C2<br>00<br>00<br>00<br>00<br>00<br>00<br>00<br>00<br>00<br>00<br>00<br>00<br>00 |
|   |              |                  |  |

| art Number | Applicable Models | Specifications | Components (1 set)                           |
|------------|-------------------|----------------|--|
| XRS-HP1    | RSD1<br>RSDG1     | Foot Plate     | Mounting Plate 2 pcs.                        |
| EXRS-VP1   | RSD1              | Flange         | Mounting Plate 1 pc.                         |
| XRS-HP2    | RSD2<br>RSDG2     | Foot Plate     | Mounting Plate 2 pcs.<br>Square Nuts 12 pcs. |
| EXRS-VP2   | RSD2              | Flange         | Mounting Plate 1 pc.                         |
| XRS-HP3    | RSD3<br>RSDG3     | Foot Plate     | Mounting Plate 2 pcs.<br>Square Nuts 8 pcs.  |
| EXRS-VP3   | RSD3              | Flange         | Mounting Plate 1 pc.                         |

| Part     | Unit Price |        |        |  |  |  |
|----------|------------|--------|--------|--|--|--|
| Number   | 1 Set      | 2 Sets | 3 Sets |  |  |  |
| EXRS-HP1 | 1,320      | 1,183  | 1,092  |  |  |  |
| EXRS-VP1 | 1,320      | 1,183  | 1,092  |  |  |  |
| EXRS-HP2 | 1,593      | 1,456  | 1,365  |  |  |  |
| EXRS-VP2 | 1,320      | 1,183  | 1,092  |  |  |  |
| EXRS-HP3 | 1,593      | 1,456  | 1,365  |  |  |  |
| EXRS-VP3 | 1,593      | 1,456  | 1,365  |  |  |  |
|          |            |        |        |  |  |  |

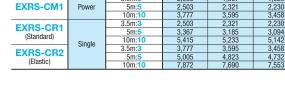
#### Maintenance Products



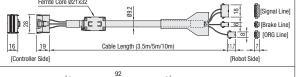


\*\*Equipped as standard to absolute model controllers Replacement cycle is approx. one year. \*This product is outside the scope of RoHS Directive. Unit Price Volume Discount Rate Part Number Туре (Controller EXRS-C21/C22← →for Robot RSH1 / 2 / 3 / 1C / 2C / 3C)

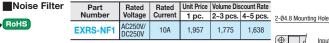






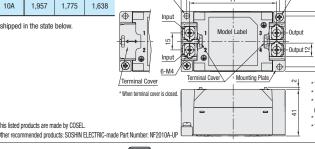


82±0.5



As this product uses push-down type terminal block, it is shipped in the state below. minal Cover is stored.

al block screws are kept on the upper side







For orders larger than indicated quantity,

\*This listed products are made by COSEL.





### **Terminology**

Variations in stop positions when positioning moves approached in one direction fr rting location are made.

#### Maximum Carrying Load Capacity Maximum load that can be placed on the carriage. A sum of the work and the tooling must r

Take Allowable Overhang in consideration if the work C.G. is offset from the table center.

### Maximum Push Force

ince that may cause failures Additionally, do not exceed 60% of the Static Load Capacity when the push point is offset from the slider's guide of

Continuous force that can be generated. For work holding and pushing operations, keep under the Rated Force (approx. 60 Do not perform shock loading operations even under the Rated Force as that may cause failures. Do not exceed 60% of the Static Load Capacity when the static push point is offset from the slider's guide center

### ■Rated Running Life

Total running distance where 90% of the robots under the same operating condition will reach without failures.

#### Allowable Overhang Load Indicates offset distance of tool/work C.G. to the slider's quide center.

It depends on the work load weight and lifetime running distance of more than 10,000km is achieved when the center of gravity is within permissive

#### The published values are calculated based on automatically configured acceleration values per given carried mass.

### Allowable Static Moment

Moment load value applicable on the slider top surface while the robot is static. For dynamic applications, overhang value must be determined with running life in consideration.

A difference in position values when positioning moves are made to a specified coordinate from positive direction and negative direction.

#### ■Rod Non-rotational Accuracy

# **Notes on CE Marking**

MISUMI Robot Series provide parts to be incorporated into customers' device and equipment. According to EC Directive, it is declared that these are supplied in an incomplete state. Therefore no CE marks are attached.

Please check for EC Directive compatibility with robot built-in device or equipment (finished products) by customers. For details, please see Instruction Manual.

## Warranty

#### Warranty Terms

Comply with "Warranty Standards" printed on "Mechanical Standard Components for Factory Automation" catalog.

#### Warranty Period One year from shipment date or within the first 2400 hours of operation

## ntact Info.

se contact us at: FΔ Motion division TFI:03-3647-:03-3647-7481

