| Specifications |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | X－axis | Y－axis | Z－axis | R－axis |
| Axis <br> specifications | Arm length |  | 71 mm | 109 mm | 100 mm | － |
|  | Rotation angle |  | ＋／－120 ${ }^{\circ}$ | ＋／－140 ${ }^{\circ}$ | － | ＋／－360 ${ }^{\circ}$ |
| AC servo motor output |  |  | 50 W | 30 W | 30 W | 30 W |
| Deceleration | Transmission method | Motor to speed reducer | Direct－coupled |  |  |  |
|  |  | Speed reducer to output | Direct－coupled |  |  |  |
| Repeatability ${ }^{\text {Note } 1}$ |  |  | ＋／－0．01 mm |  | ＋／－0．01 mm | ＋／－0．004 ${ }^{\circ}$ |
| Maximum speed |  |  | $3.3 \mathrm{~m} / \mathrm{sec}$ |  | $0.7 \mathrm{~m} / \mathrm{sec}$ | $1700 \% \mathrm{sec}$ |
| Maximum payload |  |  | 1.0 kg |  |  |  |
| Standard cycle time：with 0．1kg payload ${ }^{\text {Note } 2}$ |  |  | 0.39 sec |  |  |  |
| R －axis tolerable moment of inertia ${ }^{\text {Note } 3}$ |  |  | $0.01 \mathrm{kgm}^{2}$ |  |  |  |
| User wiring |  |  | $0.1 \mathrm{sq} \times 6$ wires |  |  |  |
| User tubing（Outer diameter） |  |  | $\phi 3 \times 2$ |  |  |  |
| Travel limit |  |  | 1．Soft limit 2．Mechanical stopper（ $\mathrm{X}, \mathrm{Y}, \mathrm{Z}$ axis） |  |  |  |
| Robot cable length |  |  | Standard： 3.5 m Option： $5 \mathrm{~m}, 10 \mathrm{~m}$ |  |  |  |
| Weight（Excluding robot cable）${ }^{\text {Note } 4}$ |  |  | 5.5 kg |  |  |  |
| Robot cable weight |  |  | $1.5 \mathrm{~kg}(3.5 \mathrm{~m}) 2.1 \mathrm{~kg}(5 \mathrm{~m}) 4.2 \mathrm{~kg}(10 \mathrm{~m})$ |  |  |  |


| Controller   <br> Controller Power capacity（VA） Operation method |
| :--- |
| RCX340 |

Note 1．This is the value at a constant ambient temperature．
Note 2．When reciprocating 100 mm in horizontal and 25 mm in vertical directions．
Note 3．The acceleration coefficient is set automatically in accordance with the tip weight and R －axis moment of inertia settings．
Note 4．The total robot weight is the sum of the robot body weight and the cable weight．


