| Basic specifications |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | X axis | Y axis | Z axis | R axis |
| Axis <br> specifications | Arm length (mm) | 250 | 250 | 150 | - |
|  | Rotation angle ( ${ }^{\circ}$ ) | +/-129 | +/-144 | - | +/-360 |
| AC servo motor output (W) |  | 200 | 150 | 50 | 100 |
| Repeatability ${ }^{\text {Note } 1}$ (XYZ: mm) (R: ${ }^{\text {) }}$ |  |  |  | +/-0.01 | +/-0.004 |
| Maximum speed (XYZ: m/sec) (R: \%/sec) |  |  |  | 1.1 | 1020 |
| Maximum payload (kg) |  | 4 |  |  |  |
| Standard cycle time: with $^{2} \mathrm{~kg}$ payload (sec) ${ }^{\text {Note } 2}$ |  | 0.66 |  |  |  |
| R-axis tolerable moment of inertia ${ }^{\text {Note } 3} \mathbf{( \mathbf { k g m } ^ { 2 } )}$ |  | 0.05 |  |  |  |
| User wiring (sq $\times$ wires) |  | $0.2 \times 10$ |  |  |  |
| User tubing (Outer diameter) |  | $\phi 4 \times 4$ |  |  |  |
| Travel limit |  | 1.Soft limit, 2.Mechanical stopper ( $\mathrm{X}, \mathrm{Y}, \mathrm{Z}$ axes) |  |  |  |
| Robot cable length (m) |  | Standard: 3.5 Option: 5, 10 |  |  |  |
| Weight (kg) |  | 25 |  |  |  |
| Degree of cleanliness |  |  |  |  |  |
| Intake air ( $\mathrm{N} /$ /min) |  | $30^{\text {Note } 6}$ |  |  |  |

$\left.\begin{array}{l}\hline \text { Controller } \\ \hline \text { Controller } \\ \hline \text { Power capacity (VA) }\end{array} \begin{array}{c}\text { Operation method }\end{array} \left\lvert\, \begin{array}{c}\text { Programming / } \\ \text { I/O point trace / } \\ \text { Remote command / } \\ \text { Operation } \\ \text { using RS-232C } \\ \text { communication }\end{array}\right.\right]$

Note 1. This is the value at a constant ambient temperature. ( $\mathrm{X}, \mathrm{Y}$ axes)
Note 2. When reciprocating 25 mm in vertical direction and 300 mm in horizontal direction (rough-positioning arch motion).
Note 4. Class $10(0.1 \mu \mathrm{~m})$ equivalent to FED-STD-209D
Note 5. ESD (ElectroStatic Discharge) prevention is an option. Please contact our distributor.
Note 6. The necessary intake amount varies depending on the use conditions and environment



