Compact design with high performance. Although with one axis, functions of upper class controllers.

**Features**

1. **Support most operating method**
   Supports diverse operating methods including program operation, point trace, and movement to specified coordinates, etc.

2. **Position data hold time: 1 year**
   The absolute position data hold time which was only 2 weeks, has now been drastically increased to about 1 year.

3. **I/O assignment Change**
   Changing the I/O assignment allows selecting operations such as program operation, point trace, point teaching, and trace operation by specifying coordinates. Jog operation can also be performed from the upstream device.

4. **Use of two power supplies**
   Isolating into main power supply and control power supply yields an even higher degree of safety. It also makes servicing easier when an alarm occurs.

## Model Overview

<table>
<thead>
<tr>
<th>Name</th>
<th>SR1-X</th>
<th>SR1-P</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power</td>
<td>05 / 10 driver 0.5 - 10 A</td>
<td>20 driver 20 - 40 A</td>
</tr>
<tr>
<td>Operating method</td>
<td>Programming / I/O point tracing / Remote command / Operation using RS-232C communication</td>
<td></td>
</tr>
<tr>
<td>Maximum number of controllable axes</td>
<td>Single-axis</td>
<td>Single-axis</td>
</tr>
<tr>
<td>Position detection method</td>
<td>Absolute / Incremental</td>
<td>Incremental / Semi-absolute</td>
</tr>
<tr>
<td>Controllable robot</td>
<td>Single-axis robot FLIP-X</td>
<td>Linear motor single-axis robot Phaser</td>
</tr>
<tr>
<td>Programming box</td>
<td>HPB / HPB-D (with enable switch)</td>
<td>POPCOM (wa)</td>
</tr>
</tbody>
</table>

## Ordering method

### SR1-X

- **Controller**
  - Driver
  - Useable for CE marking
  - Useable for RG1 marking
  - E丝毫 marking
  - E丝毫 marking
  - IPX4 marking
  - IPX4 marking
  - IPX4 marking
  - IPX4 marking
  - IPX4 marking

### SR1-P

- **Controller**
  - Driver
  - Useable for CE marking
  - Useable for RG1 marking
  - E丝毫 marking
  - E丝毫 marking
  - IPX4 marking
  - IPX4 marking
  - IPX4 marking
  - IPX4 marking

## SR1-X / SR1-P part names

- **Motor connector (MOTOR)**
- **HPB connector (HPB)**
- **I/O connector (I/O)**
- **Status LED lamp (PWR, ERR)**
- **Regenerative unit connector (RG1)**
- **Battery**
- **Input power select terminal**
- **Ground terminal**

**Note:** Cable for monitor I/O (option) is required when using this connector.