### Specifications

**MJ820/821**

- **Generalized interpolator with serial-interface output for FANUC CNC series and its successor models**
- **Connectable to any general analog-output encoder.**
- Input impedance: 120 Ω ± 1 Vp-p voltage differential input
- **Max. response frequency** 140 kHz for any number of divisions selected
- **Switch-selectable number of divisions:** 40, 80, 100, 120, 160, 200, 240, 400
- **Compensation:** DC offset, gain and phase
- **Power supply:** DC 5V (4.5 to 5.5 V) for MJ820, DC 12V to 24V (11V to 32V) for MJ821
- **Compatible with Sony’s Digital scales SL700 series with PL101**

- **Example for connection:**
  - MJ820/821
  - Sine and cosine signals within a designated range are applied to MJ820/821. Max. response frequency may be lower than 140kHz with change in input signal level or offset value.

**MJ830/831**

- **Interpolator for Mitsubishi MR-J2 Super Series amplifier**
- **Connectable to any general analog-output encoder.**
- Input impedance: 120 Ω ± 1 Vp-p voltage differential input
- **Max. response frequency** 140 kHz for any number of divisions selected
- **Switch-selectable number of divisions:** 40, 80, 100, 120, 160, 200, 240, 400
- **Compensation:** DC offset, gain and phase

**Example for connection:**
- MJ830/831
- Sine and cosine signals within a designated range are applied to MJ830/831. Max. response frequency may be lower than 140kHz with change in input signal level or offset value.

### Accessories

- **Power supply plug...1 (MJ821 only)**
- **Connector cap...1**
- **Cable...1**
- **Ferrite core...1**
- **Mounting screws (4 x 10)...2**
- **Unit : mm/inch**
- **MADE IN JAPAN**

### Mass

- **MJ820:** 380 g / 0.84 lbs
- **MJ821:** 110/4.33
- **MJ830:** 138/5.43
- **MJ831:** 4.5/0.18
- **Unit : mm/inch**
- **MADE IN JAPAN**

### System configuration

- **Serial interface**
- **PL101**
- **MJ820/821**
- **FANUC control unit**

### Dimensions

- **MJ820:**
  - **System configuration**
  - **Dimensions**
- **MJ821:**
  - **System configuration**
  - **Dimensions**
- **MJ830/831:**
  - **System configuration**
  - **Dimensions**

### More Information

1. **Example for connection:**
   - MJ820/821
   - Sine and cosine signals within a designated range are applied to MJ820/821. Max. response frequency may be lower than 140kHz with change in input signal level or offset value.

2. **Example for connection:**
   - MJ830/831
   - Sine and cosine signals within a designated range are applied to MJ830/831. Max. response frequency may be lower than 140kHz with change in input signal level or offset value.