**Input Specification**

<table>
<thead>
<tr>
<th>Range</th>
<th>Measuring Range</th>
<th>Display</th>
<th>Input Impedance</th>
<th>Maximum Allowable Input Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>0~1</td>
<td>±1VDC</td>
<td>OFFSET</td>
<td>1MΩ</td>
<td>±250V</td>
</tr>
<tr>
<td>0~10</td>
<td>±10VDC</td>
<td>±99999</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1~5</td>
<td>1~5VDC (±5V)</td>
<td>FULLSCALE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4~20</td>
<td>4~20 mAADC</td>
<td>±99999</td>
<td>50Ω</td>
<td>±70mA</td>
</tr>
</tbody>
</table>

**General Specifications**

- **Operation method**: Δ Σ method
- **Input Configuration**: Single Ended
- **Resolution**: ±99999/Voltage Input, 99999/current input
- **No.of Input**: 2ch input (Ach, Bch) is non-isolated
- **Sampling Speed**: 1 times/sec = 4000 times/sec (1ch/2ch)
- **Accuracy**: ±0.1%FS (±5%CD ±5°C ±5%RH)
  - *K* is the available setting value.
- **Main Display Part**: 2 colors (Red/Green), 7 segment LED, Character height 8mm
- **Sub Display**: Green 7 segment, LED character height 14.2mm
- **Display Update Cycle**: 1.2, 10.20 times/minute
- **Comparison Purpose**: Comparison output to the present
  - Value of 1 ch
  - Comparison output to the present
  - Value of 2 ch
- **Comparison Result**: HH/HL/GO/LO/L (5 points)
- **Setup Method**: Upper limit (2 points), (HH, HL)
- **Lower limit (2 points)», (LO, LL)
- **Hysteresis**: 4 points independence
- **Relay Output**: Contact volume 1a contact AC250V
  - DC30V1A (Resistive load)
  - Electrical life 50,000 times
- **Photocoupler Output**: Output rating DC30V 20mA/5VMAX
  - Output saturated voltage
- **Power Supply**: Less than output saturated voltage 1.2V
  - AC100V=240V±10% (50/60Hz)
- **MAX 20VA**
- **External Dimension**: 95mm(W) × 48mm(H) × 144.5mm(D)
  - (Without BCD output)
  - 95mm(W) × 48mm(H) × 147.0mm(D)
  - With BCD output
- **Weight(net)**: Approx.400g
- **Dielectric Voltage**: Power supply terminal/input terminal
  - Each output terminal
  - Transmission, control input
  - Between of terminal AC1500V per minute
  - E terminal/ power supply terminal
  - Between of input terminal AC500V per minute
  - Input terminal/ each output terminal
  - Transmission, control input
  - Between of control input terminal AC500V per minute
- **Pairing Vibration**: Number of vibration 10~55Hz
  - Half amplitude 0.15mm/XY
  - Each direction 5min × 10 sweepage
- **Sensor Power Supply**: DC24V±10% 40mA
  - (Less than ripple 100mVp-p)
- **Memory Backup**: E2PROM write in times: 100,000 times
  - More than 100MΩ

**Output Specification**

- **BCD Output (Isolated input (Lo))**
  - Connector: ML type 34 pin connector (pressure welding standard attachment)
  - Output format: BCD code, Binary code
  - Output: BCD signal, Printing command signal (PC Polarity (POL)): output of minus

  **Control output**: Output allowance (ENABLE)
  - Each output will be Off when the ENABLE and COM short.
    - (Open collector: transistor “OFF”, TTL: high impedance)
    - ON voltage: 0~0.8V, OFF voltage: 3~5V
    - Input electric current: Less than 0.5mA
  - NPN open collector output, DC30V1mA(MAX) output saturation voltage
    - Less than 1.2V
  - TTL output: Positive logic TTL level (CMOS compatible)
    - Fanout 2
  - Resolution: Output allowance (ENABLE)

- **Analog output (isolated input)**
  - Output range: 0~10V, 1~5V, 4~20mA
  - Accuracy: ±0.5%FS (±3°C ±5°C)
  - Temperature coefficient: Less than 0.02%FS/°C
  - Resolution: 0~10V output Approx.500000 count
  - 1~5V output Approx.20000 count
  - 4~20mA output Approx.4000 count

  - Allowable load resistance: More than 10KΩ
  - (0~10V, 1~5V output)
  - Less than 500 Ω
  - (4~20mA output)

- **RS232C communication (isolated input)**
  - Connector: D-SUB 9 pin
  - Synchronization scheme: Start-stop synchronization scheme
  - Transmission speed: 9600, 19200, 38400bps
  - Data bit length: 7, 8bit
  - Stop bit length: 1, 2bit
  - Parity: Even number, odd number, nothing

- **RS-485 communication (isolated input)**
  - Synchronization scheme: Start-stop synchronization scheme
  - Transmission speed: 9600, 19200, 38400bps
  - Stop bit length: 1, 2 bit
  - Parity: Even number, odd number, nothing
  - Error detection: BCC
  - Number of connection: Maximum 31 machines
  - Line length: Maximum 500m at total