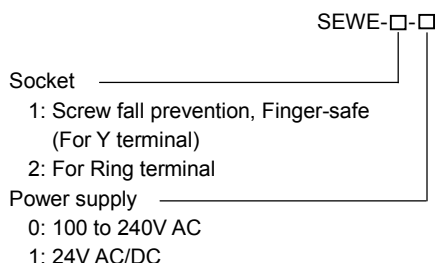


**2-output Thermocouple Transmitter (With Indication Function)**

Model: **SEWE**

■ **Model**



■ **How to Order**

Specify a model. (e.g.) SEWE-1-0

**Factory Default Value:**

Input	K: -200 to 1370°C
Output 1	4 to 20mA DC
Output 2	4 to 20mA DC

■ **Accessories (Sold Separately)**

Communication cable to connect console software: CMB-001

■ **Input Specifications**

Input resistance: 1MΩ or more  
External resistance: 100Ω or less, however, B: 40Ω or less  
Burnout: Upscale, Downscale (Selectable by the keypad)

**Input**

Thermocouple	Input Range	
K	-200 to 1370°C	-328 to 2498°F
J	-200 to 1000°C	-328 to 1832°F
R	-50 to 1760°C	-58 to 3200°F
S	-50 to 1760°C	-58 to 3200°F
B	0 to 1820°C	32 to 3308°F
E	-200 to 800 °C	-328 to 1472°F
T	-200 to 400 °C	-328 to 752 °F
N	-200 to 1300°C	-328 to 2372°F
PL-II	0 to 1390°C	32 to 2534°F
W5Re/W26Re	0 to 2315°C	32 to 4199°F
W3Re/W25Re	0 to 2315°C	32 to 4199°F

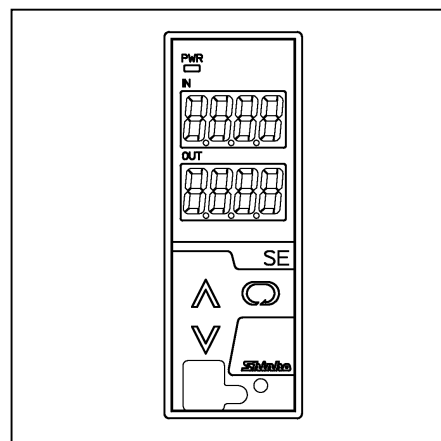
Minimum span: 50°C (100°F)

■ **Output Specifications**

When the output range lower limit is zero, (even if zero adjustment results in a negative value), the output value will not be negative.

**DC Current**

Output range	Allowable load resistance	Zero adjustment range	Span adjustment range
4 to 20mA DC	700Ω or less	-5 to 5%	95 to 105%
0 to 20mA DC	700Ω or less	0 to 5%	95 to 105%
0 to 12mA DC	1.2kΩ or less	0 to 5%	95 to 105%
0 to 10mA DC	1.2kΩ or less	0 to 5%	95 to 105%
1 to 5mA DC	2.4kΩ or less	-5 to 5%	95 to 105%



**DC Voltage**

Output range	Allowable load resistance	Zero adjustment range	Span adjustment range
0 to 1V DC	100Ω or more	0 to 5%	95 to 105%
0 to 5V DC	500Ω or more	0 to 5%	95 to 105%
1 to 5V DC	500Ω or more	-5 to 5%	95 to 105%
0 to 10V DC	1kΩ or more	0 to 5%	95 to 105%

■ **Performance**

Basic accuracy (at 23°C of ambient temperature)

- Input: Within ±0.1% of each input span  
R, S inputs, -50 to 200°C (-58 to 392°F): Within ±6°C (12°F)  
B input: 0 to 300°C (32 to 572°F): Accuracy is not guaranteed.  
K, J, E, T, N inputs: Less than 0°C (32°F): Within ±0.4% of input span

- Output: Within ±0.1%

Cold junction compensation accuracy: Within ±1°C at -5 to 55°C

Indication accuracy: Within Basic input accuracy ±1 digit

Input sampling period: 25ms, 125ms, 250ms

(Selectable by the keypad)

Response time: (Selectable by the keypad)

- 65ms (typ.) (0→90%) (Input sampling period: 25ms)
- 225ms (typ.) (0→90%) (Input sampling period: 125ms)
- 425ms (typ.) (0→90%) (Input sampling period: 250ms)

Temperature coefficient: ±0.015%/°C or less

Insulation resistance: 10MΩ or more, at 500V DC

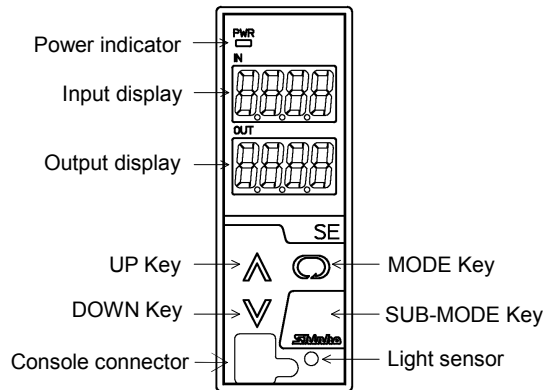
(Input - Output - Power)

Dielectric strength: 2.0kV AC for 1 minute

(Input - Output - Power)

**General Structure**

Case: Flame-resistant resin    Color: Light gray  
 Front panel: Membrane sheet  
 Setting: Using front keypad  
 Connector for console software: Only CMB-001 cable usable  
 Displays and indicators:  
   Input display: 7-segment Red LED display 4-digit,  
                   Character size: 10 x 4.6mm (H x W)  
   Output display: 7-segment Red LED display 4-digit,  
                   Character size: 10 x 4.6mm (H x W)  
 Power indicator: Green LED



**Installation Specifications**

Power supply: 100 to 240V AC 50/60Hz  
                   24V AC/DC 50/60Hz  
 Allowable voltage range: 85 to 264V AC, 20 to 28V AC/DC  
 Power consumption: Approx. 8VA  
 Ambient temperature: -5 to 55°C  
 Ambient humidity: 35 to 85%RH (non-condensing)  
 Weight: Approx. 190g (including socket)  
 Mounting: DIN rail  
 Dimensions: W30 x H88 x D108mm (including socket)

**Attached Functions**

Light sensor: Automatically measures and controls brightness of the displays, saving energy.  
 Power failure countermeasure:  
   The data is backed up in non-volatile IC memory.  
 Self diagnosis: The CPU is monitored by a watchdog timer, and when an abnormal status is found on the CPU, the unit is switched to warm-up status turning all outputs OFF.  
 Cold junction compensation: Available

**Environmental Specification**

RoHS directive compliance

**Settings**

**Function Keys**

- (1) UP Key: Increases numeric value.
- (2) DOWN Key: Decreases numeric value.
- (3) MODE Key: Selects a setting mode.
- (4) SUB-MODE Key: Lights the displays again when in unlit status.

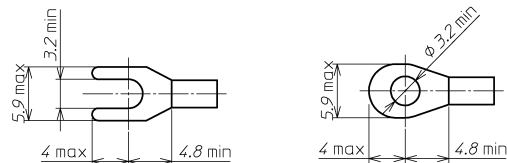
**Displays and Indicators**

Input display: Indicates the input value.  
 When a range with a decimal point is selected:  
   Indication of -200.0 or less: The minus (-) sign and input value light alternately.  
 Under range: “- - - -” flashes on the Input display.  
 Over range: “- - - -” flashes on the Input display.  
 Warm-up indication:  
   For approx. 3 seconds after the power to the instrument is turned on, input type is indicated on the Input display, and Output 1 type is indicated on the Output display.  
 Output display: Indicates the output volume in percentage (%) form.  
 Power indicator: A green LED is lit when the power to the instrument is turned on.

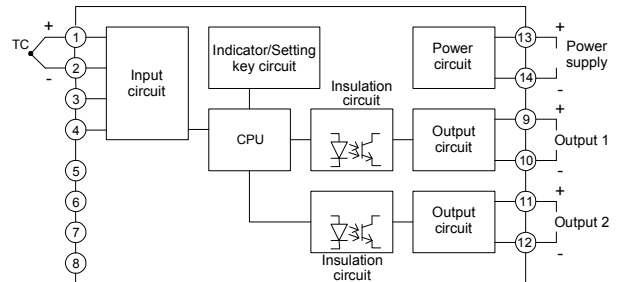
**Solderless Terminals**

**Y Terminal**

**Ring Terminal**



**Circuit Configuration, Terminal Arrangement**



**External Dimensions (Scale: mm)**

