

# SPECIFICATION

## Transmitter

### 1. General

This is the transmitter for strain gage applied transmitter.

### 2. Specifications

- Bridge power supply DC10 V $\pm$ 0.3 V within 30 mA (DC5 V or DC2.5 V changeable)
- Applicable transducers Up to 1 piece of strain gage applied transducer(350  $\Omega$ ) is connectable.
- Input range 0.5 mV/V to 3 mV/V
- Sensitivity adjustment range 1 000 times, 2 000 times or 3 000 times  
(Changeover with the internal dip switch)  
Adjust 1/1 to 1/4 against each setting.
- Output DC $\pm$ 10 V(Not isolated)
- Output load resistance 2 k $\Omega$  or more
- Zero adjustment range  $\pm$ 0.25 mV/V  
※Tare weight cancellation will be adjusted by installing resistance externally.
- Non-linearity 0.02 %F.S.
- Temperature efficient  
Zero point  $\pm$ 1  $\mu$  V/ $^{\circ}$ C(Input conversion)  
Sensitivity Within  $\pm$ 0.01 %F.S/ $^{\circ}$ C
- CALIB 1 mV/V $\pm$ 0.002 mV/V (0.5 mV/V $\pm$ 0.001 mV/V or 0.25 mV/V $\pm$ 0.000 5 mV/V changeable when the order is made.)
- Frequency response range 1 Hz, 10 Hz, 100 Hz or 1 kHz changeable by internal DIP switch

### 3. General Specifications

- Operating temperature range  
Temperature  $-10^{\circ}$ C to  $50^{\circ}$ C  
Humidity 85 %RH or less(Non condensing)
- Power supply  
Power supply voltage AC100 V(AC90 V to 115 V)  
Power supply frequency 50/60 Hz  
Power consumption Approx.5 VA(at AC100 V)
- Insulation resistance 100 M $\Omega$  or more at DC500 V between AC power supply and case
- Withstand voltage AC1 500 V 1 min between AC power supply and case
- Outline dimension(W $\times$ H $\times$ D)  
CSA-507C 44 mm $\times$ 90 mm $\times$ 110 mm(Excludes protrusion)  
CSA-507C-99 44 mm $\times$ 90 mm $\times$ 230 mm(Excludes protrusion)
- Weight  
CSA-507C Approx.650 g  
CSA-507C-99 Approx.1 150 g

### 4. Standard specifications at the shipment

- Bridge power supply DC10 V
- Sensitivity 1 000 times Output DC10 V at the input of 1 mV/V  
(DC4 mA to 20 mA with the current output)
- Frequency response range 10 Hz
- CALIB 1 mV/V
- Power supply  
Power supply voltage AC100 V(AC90 V to 115 V)  
Power supply frequency 50/60 Hz

## SPECIFICATIONS

CSA-507C

Spec No.EN351507C-A

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### 5. Accessories

- Instruction manual 1 piece
- Midget fuse(0.5 A) 1 piece
- Minus driver 1piece
- Terminal block cover 2 pieces

### 6. Options

#### 6-1. Current output

- P/No.CSA507C-P07  
Output DC4 mA to 20 mA (Not isolated)
- Load resistance 500 Ω or less
- Non-linearity 0.05 %F.S.

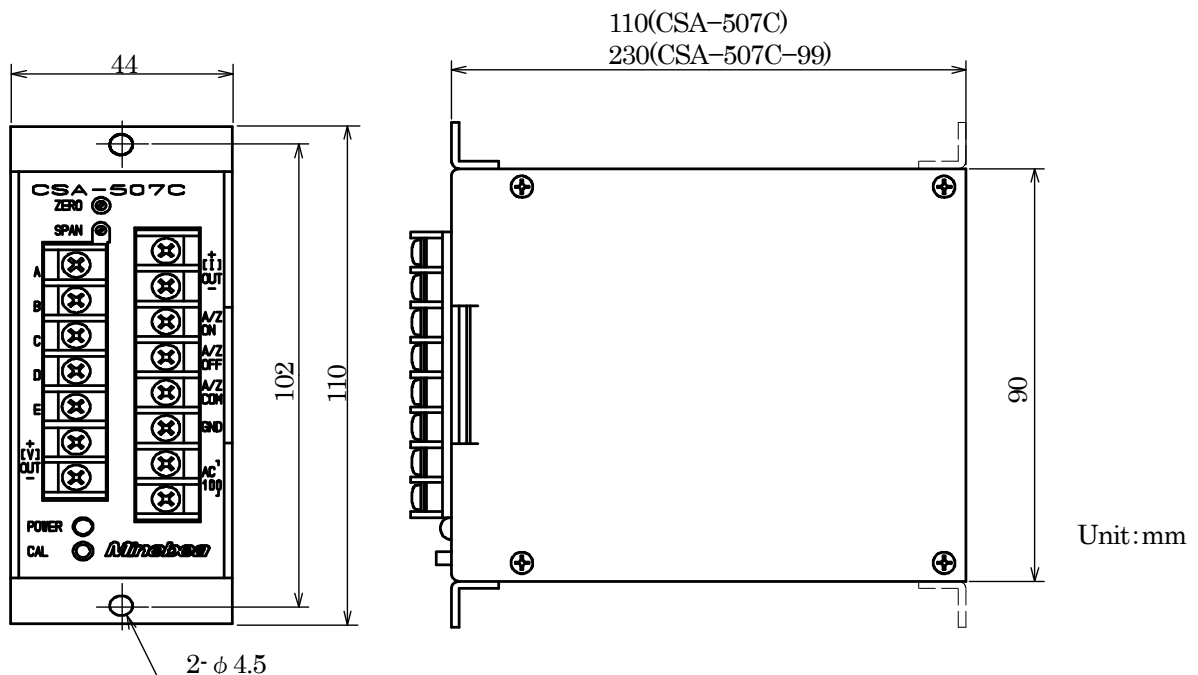
#### 6-2. Auto Zero

- P/No.CSA507C-P99  
Operating voltage of Auto Zero Within ±10 V
- Operating time of Auto Zero Within Approx.1 s
- Accuracy of AutoZero Within ±5 Mv
- Temperature efficient Within 0.005 %F.S./°C
- Zero point Within 0.005 %F.S./°C
- Sensitivity Within 0.005 %F.S./°C
- Battery backup time Approx. 5 years at the room temperature (Lithium battery is used.)

#### 6-3. Power supply voltage

- P/No.CSA507C-P63  
Power supply voltage AC200 V(Ac180 V to 231 V)

### 7. Outline dimensions



※Specifications and outline dimensions and so on which have printed may subject to change for the purpose of improvement without notice.