

# Specifications

Transmitter

CSA-524

Specification No. EN351524

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## 1. General

The instrument is a transmitter for the exclusive use with strain gage applied vector sensor.

## 2. Specifications

- Bridge power supply DC5 V $\pm$ 0.15 V
- Applicable transducers
  - Fx One Fx output of vector sensor (120  $\Omega$  half bridge) can be connectable.
  - Fy One Fy output of vector sensor (120  $\Omega$  half bridge) can be connectable.
  - Fz One Fz output of vector sensor (120  $\Omega$  full bridge) can be connectable.
- Input range
  - Fx  $\pm 300 \mu\text{ST}$  to  $\pm 5\,000 \mu\text{ST}$
  - Fy  $\pm 300 \mu\text{ST}$  to  $\pm 5\,000 \mu\text{ST}$
  - Fz  $\pm 300 \mu\text{ST}$  to  $\pm 2\,000 \mu\text{ST}$
- Output
  - Fx, Fy, Fz DC  $\pm 5\text{ V R.O.}$
- Output load resistance 2 k $\Omega$  or more
- Sensitivity adjustment range
  - Fx, Fy 650 times is adjustable from 1/1 to 1/2
  - Fz 6 900 times is adjustable from 1/1 to 1/2
- Zero adjustment range
  - Coarse adjustment  $\pm 3\,000 \mu\text{st}$
  - Fine adjustment  $\pm 300 \mu\text{st}$
- Non-linearity 0.05 %F.S.
- Temperature coefficient
  - Zero point  $\pm 1 \mu\text{V}/^\circ\text{C}$  (Input conversion)
  - Sensitivity  $\pm 0.01 \text{ %F.S.}/^\circ\text{C}$
- CALIB
  - Fx, Fy  $3\,000 \mu\text{st} \pm 15 \mu\text{st}$
  - Fz  $300 \mu\text{st} \pm 1.5 \mu\text{st}$
- Frequency response range Approx. 100 Hz ( $-3\text{ dB} \pm 1\text{ dB}$ )

## 3. General specifications

- Operating temperature/humidity range
  - Temperature  $-10\text{ }^\circ\text{C}$  to  $50\text{ }^\circ\text{C}$
  - Humidity Less than 85 %RH (Non condensing.)
- Power supply
  - Power supply voltage DC24 V 120 mA (Permissible variable range DC18 V to DC36 V)
- Outline dimensions(W×H×D) 140 mm x 75 mm x 15 mm (Excludes protruding parts.)
- Weight Approx.100 g



## Specifications

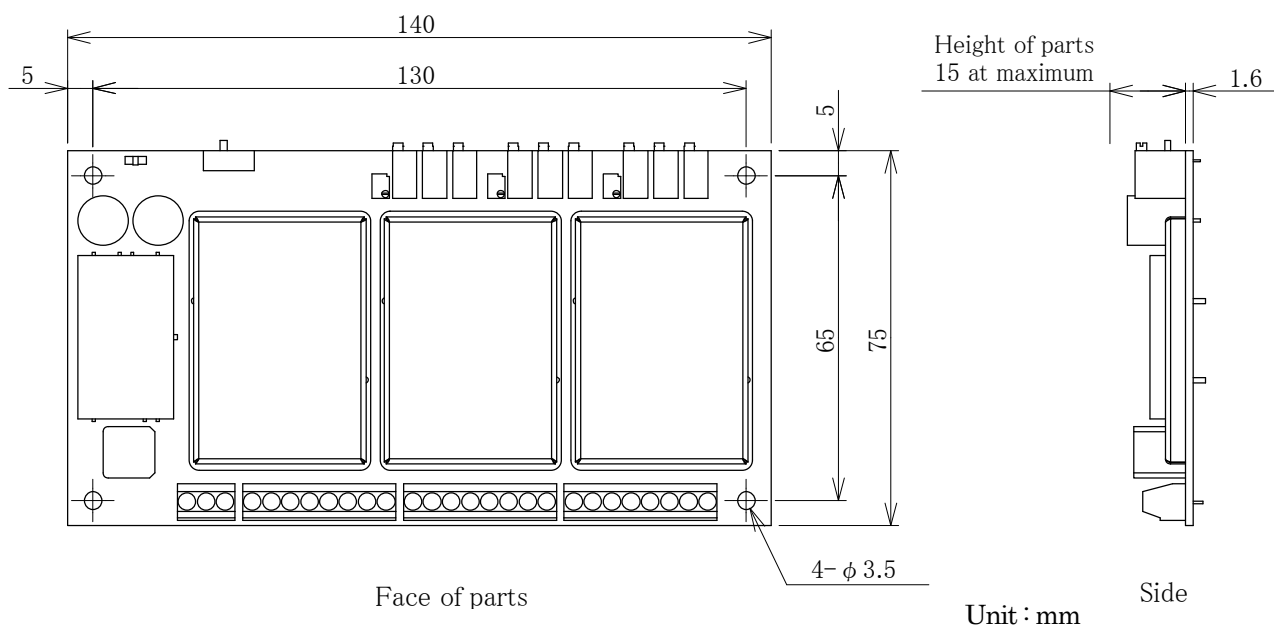
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### 4. Outline dimension



Specifications and outline dimensions and so on which have printed may subject to change for the purpose of improvement.