

PCB type Transmitter CSA-593 for tie bar measurement system

2023/10/05

Features



- Special transmitter for tie-bar gage.
- Suitable for the control of the injection molding machine clamping operation.
- The noise proof has improved.
- Fast responsiveness and compact size.
- The working efficiency improves by the connector detaching type.
- The low price was achieved.

Specification

Specification name	Specification contents
Bridge power supply	5 VDC±0.3 VDC within 30 mA以
Applicable transducer	One pair of tie bar gage (350 Ω)
Input range	±500 μst
Output voltage	±10 V
Output load resistance	10 kΩ or more
Sensitivity	10 V output at the input of 500 μst
Non-linearity	0.02 %F.S. (Transmitter itself)
Temperature efficient	Zero ±10 μV/°C (Input conversion), Sensitivity ±0.05 %F.S./°C

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Frequency response range	Approx. 100 Hz (Fixed)
A/D sampling	2 000 times/s
A/D internal resolution	24 bit
Output frequency	2 000 times/s (Synchronous with A/D sampling rate)
Output resolution	Approx. 1/10 000
Specifications of auto zero	Range Approx. $\pm 3\ 000\ \mu\text{st}$ Required time Approx. 50 ms Accuracy within $\pm 5\ \text{V}$ External input 1 point * The result of auto zero is not retained in blacking out.
Check function	Output Approx. 5 V External input 1 point * This function is the usage for maintenance.
Operating temp./humidity range	-10 °C ~ 70 °C, 80 %RH or less ((Non condensing)
Power supply voltage	DC24 V (Permissible variable range DC20 V ~ DC26 V)
Power consumption	within approx. 50 mA (at DC24 V)
Outline dimensions (WxHxD)	86.4 x 61 x 24.5 (mm) (Excludes connector and protruding parts.)
Weight	Approx. 0.5 kg

Table of P/N

Parts No.	Outline dimension (WxHxD) [mm]	Weight(Approx.) [kg]
CSA-593	86.4 x 61 x 24.5 (Excludes connector and protruding parts.)	0.5

Accessories

Instruction manual 1 piece