

Digital Peak holder CSD-819C-S12

2023/10/05

Features



- Suitable for the operation management of equipment that uses a tie bar.
- High speed sampling rate of 2000 times/s in the compact size and light weight unit.
- Various kind of peak mode setting.
- Installed the automatic calibration function to execute the span adjustment by automatic operation.
- [CE] mark applicable.
- Suitable for the press fitting measurement.

Specification

Specification name	Specification contents
Bridge power supply	10 VDC±0.5VDC within 60 mA (Changeable to 5 VDC or 2.5 VDC)
Input range	Full scale (F.S.) setting is available at the input from ±0.1 mV/V to ±3.1 mV/V. (When bridge power supply is DC10 V or DC5 V) Full scale (F.S.) setting is available at the input from ±0.8 mV/V to ±3.1 mV/V. (When bridge power supply is DC2.5 V)
Output range	DC±10 V, Load resistance 5 kΩ or more. (F.S. is set by the function)
Output times	100 times/s, 500 times/s, 1 000 times/s or 2 000 times/s (Synchronous with A/D sampling rate.)
Output resolution	Same as the display resolution.
Zero adjustment range	±2.0 mV/V

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Non-linearity	Display 0.025 %F.S., Output 0.025 %F.S.
Temperature coefficient	Zero point $\pm 0.5 \mu\text{V}/^\circ\text{C}$, Sensitivity $\pm 0.01 \text{ %F.S.}/^\circ\text{C}$ (Input conversion, in F.S. setting at the input from $\pm 0.5 \text{ mV/V}$ to 3.1 mV/V)
Input filter	10 Hz, 100 Hz or 1 kHz changeable.
A/D sampling rate	2 000 times/s (100 times/s, 500 times/s or 1 000 times/s changeable.)
Load display	Display range –11 000 to 11 000
Comparator display	Display range –99 999 to 99 999 Number of display 1 point (select from S0, S1, S2, S3 or S4.) Display rate 20 times/s (4 times/s, 50 times/s or 100 times/s changeable)
External control function	ZERO, PEAK/TRACK, HOLD, RESET, SEL.1, SEL.2
Comparator function	Set value –99 999 to 99 999 Numbers of setting 5 points(S0, S1, S2, S3, S4) ※S0 is set by function. Display rate 20 times/s (4 times/s, 50 times/s or 100 times/s changeable)
Open collector output signal	S1, S2, S3, S4 The open collector is ON when reached under/over the comparator set value. S0 The open collector is ON with either condition by function setting.
Operating temp./humidity range	Temperature $0^\circ\text{C} \sim 50^\circ\text{C}$, Humidity 85 %RH or less(Non condensing)
Power supply voltage	100 VAC to 240 VAC (Allowable variable range 85 VAC to 264 VAC)
Power consumption	Approx. 8 VA (Without option, at AC100 V) Approx. 17 VA at max. (With options, at AC100 V to AC240 V)
Outline dimensions (WxHxD)	96 mm × 96 mm × 129.5 mm (Excludes protruding parts.)
Weight	Approx. 0.5 kg (Without any options.)

Table of P/N

Parts No.	Outline dimension (WxHxD) [mm]	weight (Approx.) [g]
CSD-819C-S12	96 × 96 × 129.5 (Excludes protruding parts.)	500