

Digital Indicator CSD-701C

2023/09/15

Features



- Compact size 48 mm x 96 mm
- Peak Hold function is available as an option.
- Up to 4 strain gage transducers may be connected.
- BCD output as an option.
- Protection grade : IP65 equivalent
- Additional USB interface, EzCTS (sold separately) support possible

Specification

Specification name	Specification contents
Bridge power supply	DC5 V±0.25 V within 60 mA (changeable to DC2.5 V)
Input range	F.S. setting is available with the input range from -3.1 mV/V to 3.1 mV/V
Output range	DC±5 V Load resistance is 5 kΩ or more. (F.S. setting is available by function)
Output times	100 times/s (Changeable to 10 times/s or 20 times/s or 50 times/s)
Output resolution	1/12 000 and above
Zero adjustment range	-2.5 mV/V ~ 2.5 mV/V
Non-linearity	Display 0.02 %F.S., Output 0.04%F.S.

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Temperature efficient	Zero $\pm 0.2 \mu\text{V}/^\circ\text{C}$ 、Sensitivity $\pm 0.0015 \%$ F.S./ $^\circ\text{C}$ (When the calibration is made at $0.2 \mu\text{V}/\text{d}$ or more of the input sensitivity.)
Input noise	$\pm 0.2 \mu\text{Vp-p}$ or less (At the default setting of all filter.)
Digital low pass filter	0.1 Hz \sim 10 Hz (digital, adjustable in 0.1 Hz increments)
A/D sampling speed	100 times/s (Changeable to 10, 50, 100 times/s.)
Display range	-99 999 \sim 99 999
Display times	4 times/s (Changeable to 20 times/s or 50 times/s or 100 times/s)
Decimal point display	Changeable to No display, 10^1 , 10^2 , 10^3 , 10^4
External control function	4 points ZERO、PEAK/TRACK/A/Z、HOLD、RESET/A/Z OFF
Comparator function	Set value : -99 999 \sim 99 999 Set quantity : 2 points of S1 and S2 Conversion times of comparator : Synchronous with A/D sampling
Operating temp. /humidity range	Temperature -10 $^\circ\text{C}$ \sim 50 $^\circ\text{C}$, Humidity 85 %RH or less (Non condensing)
Power supply voltage	100 VAC \sim 240 VAC 50/60 Hz (Permissible variable range 85 VAC \sim 264 VAC)
Power consumption	Max. approx. 9.2 VA (with option, at 230 V AC), max. approx. 5.6 VA (with option, at 100 V AC)
Outline dimensions (WxHxD)	96 mm \times 48 mm \times 138 mm
Weight	Approx. 0.35 kg (Options, including mounting kit)
Protection code	IP65 equivalent (Only for the front panel when the attached panel mounting gasket is installed.)

Start guide

[No.EN294-2015](#)

Options

Current output

BCD output

RS-232C interface

RS-422/485 interface

Serial interface

Power supply voltage DV24V

Latest News

2023.03.24

New Product

[New Product]Digital Indicator "CSD-701C" is released ! Great improvement on Temperature Characteristics and Non-linearity!

[All News](#)