

Digital indicator CSD-701B

2023/06/02

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

Specification

Specification name	Specification contents
Bridge power supply	5 VDC±0.25VDC within 60 mA (changeable to DC2.5 VDC)
Input range	F.S. setting is available with the input range from 0.4 mV/V to 3.1 mV/V. (When the bridge power supply is 5 VDC)
Output range	5 VDC Load resistance is 5 kΩ or more. (F.S. setting is available by function)
Output times	Changeable to 4 times/s or 20 times/s (Synchronous with display rate)
Output resolution	Approx. 1/10 000
Zero adjustment range	-0.3 mV/V ~ 2.4 mV/V
Non-linearity	Display 0.05 %F.S., Output 0.05 %F.S.
Temperature efficient	Zero point ±1 μV/°C, Sensitivity ±0.02 %F.S./°C (Input conversion, During F.S. setting at the input from 0.5 mV/V to 3.1 mV/V)
Input noise	±1 μVp-p or less (At the default setting of the digital filter and the stabilized filter)

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Input filter	1 Hz (At the "0" setting of the digital filter and the stabilized filter)
A/D sampling speed	20 times/s
Load display	
Display range	-9 999 ~ 99 999
Display times	4 times/s (Changeable to 20 times/s)
Decimal point display	Changeable to No display, 10 ¹ , 10 ² , 10 ³ , 10 ⁴
External control function	ZERO, HOLD, PEAK/TRACK/A/Z, RESET/A/ZOFF
Comparator function	Set value : -99 999 ~ 99 999 Set quantity : 2 points of S1 and S2 Conversion times of comparator : Changeable to 4 times/s or 20 times/s (Synchronous with display rate) Contact output function : 2 points of S1 and S2
Operating temp. /humidity range	Temperature 0 °C ~ 50 °C, Humidity 85 %RH or less (Non condensing)
Power supply voltage	100 VAC ~ 240 VAC 50/60 Hz (Permissible variable range 85 VAC ~ 264 VAC)
Power consumption	Approx. 11 VA (without options, at 100 VAC) Approx. 14 VA at maximum (with options, at 100 VAC ~ 240 VAC)
Outline dimensions (WxHxD)	96 mm x 48 mm x 120 mm (excludes protruding parts)
Weight	Approx. 0.3 kg (without options)
Protection code	IP65 or equivalent (Only for the front panel when the attached panel mounting gasket is installed.)

Options

Current output
 BCD output
 RS-232C interface
 RS-422 interface
 Serial interface
 DC Power supply voltage

Latest News

2023.03.24 New Product

[\[New Product\] Digital Indicator "CSD-701C" is released ! Great improvement](#)

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on Temperature Characteristics and Non-linearity!

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