

Digital Indicator CSD-815B

2023/06/02

Features



- Digital indicator for the strain gage transducers 96 mm x 96 mm.
- Equipped with peak hold function.
- Equipped with CC-Link interface.
- Protection grade : IP65
- CE mark applied.

Specification

Specification name	Specification contents
Bridge power supply	5 VDC \pm 0.25VDC within 60 mA (Changeable to 2.5 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	\pm 5 VDC Load resistance is 5 k Ω or more. (F.S. setting is available by function)
Output times	Changeable to 4 times/s, 20 times/s, 50 times/s or 100 times/s.(Synchronous with display rate.)
Output resolution	Approx. 1/12 000

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Zero adjustment range	±2.4 mV/V
Non-linearity	Display 0.01 %F.S., Output 0.05 %F.S.
Input noise	±0.6 μVp-p or less (With a default setting of digital filter and stabilized filter)
Input filter	2 Hz (Changeable to 10 Hz, 100 Hz or 2kHz)
A/D sampling speed	100 times/s
CHECK	Approx. 0.3 mV/V (Setting with the interval of about 0.1 mV/V is available in the range from approx. 0.1 mV/V to 1.5 mV/V.)
Load display	7 segment red LED with 17 mm character's height
Display range	-99 999 ~ 99 999
Display times	4 times/s (Changeable to 20 times/s, 50 times/s or 100times/s)
External control function	ZERO, PEAK/TRACK/A/Z, HOLD, RESET/A/ZOFF, SEL1, SEL2
Comparator function	Set value : -99 999~99 999 -99 999 ~ 99 999 Set quantity : 3 points of S0, S1 and S2 *"S0" is set by function command. Conversion times of comparator : "Changeable to 4 times/s, 20 times/s, 50 times/s or 100times/s (Synchronous with display times)*During the display of set value, process of measurement and also process of comparator are interrupted. "
Various functions	Zero tracking, Digital filter, Stabilization filter, Change of HOLD target, Sheet key lock, Selection of Peak mode, Change of analog output target.
Operating temp./humidity range	Temperature -10 °C ~ 50 °C, Humidity 85 %RH or less(Non condensing)
Power supply voltage	100 VAC ~ 240 VAC 50/60Hz 100 VAC ~ 240 VAC 50/60Hz (permissible variable range from 85 VAC to 264 VAC)
Power consumption	Approx. 9 VA (without options, at 100 VAC) Approx. 18 VA at maximum (with options, at 100VAC ~ 240 VAC)
Outline dimensions (WxHxD)	96 mm x 96 mm x 129.5mm (excludes protruding parts)
Weight	Approx. 500 g (without options)
Protection code	IP65 or equivalent (Only for the front panel when the attached panel mounting gasket is installed.)

Options

Current output

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Current output

BCD output

RS-232C interface

RS-422/485 interface

CC-Link interface

Latest News

2023.03.24

New Product

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

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