

Digital indicator for digital load cell CSD-401

2023/06/02

Features



- Up to 8 units of digital load cell are connectable.
- Compact size 96 mm x 48 mm.
- Equipped with RS-232C as a standard.
- Protection grade : IP65

Specification

Specification name	Specification contents
Bridge power supply	12 VDC±0.3 VDC within 280 mA
Applicable transducer	Up to 8 units of Minebea's digital load cells are connectable.
Input interface	RS-485 (2-wires method)
Baud rate	56 700 bps
Digital display range	- 99 999 ~ 99 999 (Changeable to x2, x5, x10, x20 or x50)
Display unit	7 segment red LED with 14.2 mm character height.
Over display	'-OL' display at minus(-) over, and 'OL' display at plus(+) over
A/D value over display	'-OVF' display at minus(-) over, and 'OVF' display at plus(+) over.
Status display	STAB, TARE, GROSS, NET, ZERO, HOLD
Judgement display	S1, S2, S3, S4, S5
Display rate	15 times/s (Changeable to 5 times/s.)

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Display rate	10 times/s (changeable to 5 times/s)
Display of decimal point	Changeable to no display, 10 ¹ , 10 ² , 10 ³ , 10 ⁴ .
External control function	ON/OFF, SET, TARE, NET/GROSS, ZERO, PRINT, NET display, HOLD display.
Comparator function	Display range : -99 999 ~ 99 999 (0 ~ 99 999 for flow mode and discharge mode.) No. of set points : 5 points of S1, S2, S3, S4 and S5. Set value of hysteresis data width : 0 ~ 99 digit Hysteresis direction : Changeable to either 'On-delay' or 'Off-delay' Comparator conversion rate : Changeable to 5 times/s or 15 times/s. (Synchronized with display rate.)
RS-232C interface	Baud rate : Selectable from 1 200 bps, 2 400 bps, 4 800 bps or 9 600 bps. Data bit length : Selectable from 7 bit or 8 bit. Parity bit : Selectable from none, even or odd. Stop bit : Selectable from 1 bit or 2 bit. Terminator : Selectable from CR + LF or CR. Communication method : Half duplex Synchronous method : Start-stop synchronous method Transmission data : ASCII code Cable length : Upto 15 m Signal name : TXD, RXD, COM.1
Operating temp./humidity range	Temperature - 10 °C ~ 50 °C, Humidity 85 % or less (Non condensing)
Power supply	100 VAC ~ 240 VAC (85 VAC ~ 264 VAC) 50/60 Hz
Power consumption	Approx. 13 VA (without any options at 100 VAC) Approx. 15 VA (with options at 100 VAC)
Dimension (W x H x D)	96 mm x 48 mm x 120 mm
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

Voltage output

BCD output

RS-422/RS-485 interface

Serial interface

Latest News

ミネベアミツミ株式会社

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New Product

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

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