Graphic Digital Indicator CSD-912B-EX

2024/03/13

ミネベアミツミ株式会社

Features

・ 6.2 inches TFT color liquid crystal touch panel display with excellent visibility color and wide viewing angle is adopted.

・ Waveform display of weighing status is available.

・ 100 kinds of brands and recipes can be stored in the internal memory.

・ High speed A/D conversion at 1 000 times/second.

・ RS-485 interface and the serial interface are equipped as an standard.

・ Wide range of power supply voltage (AC100 V ~ AC240 V)

・ Protection grade : IP65

・ CE Mark Mark applied.

Specification

Specification name	Specification contents
Bridge power supply	12 VDC±0.3VDC within 140 mA (Changeable to 3 VDC or 6 VDC) with remote sensing function
Input sensitivity	0.3 µV/d or more (d = minimum scale)
Input range	-3.1 mV/V ~ 3.1 mV/V
Zero adjustment	

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adjustment range	-2.5 mV/V ~ 2.5 mV/V
Non-linearity	0.01 %F.S.
Temperature coefficient	Zero point ±0.1 μV/℃,Sensitivity ±0.000 8 %F.S./℃ (When the calibration is set at 0.3 μV/d or more for input sensitivity.)
Noise in input signal	±0.2 μVP-P or less (At the default setting for analog filter, digital filter, stabilization filter and A/D sampling.)
Analog filter	Approx. 4 Hz (Changeable to 2 Hz, 6 Hz, 8 Hz, 10 Hz or 100 Hz)
A/D sampling speed	200 times/s (Changeable to 1 000 times/s, 100 times/s, 50 times/s, 20 times/s or 10 times/s.)
A/D internal resolution	24 bit
Display unit	Wide viewing angle 6.2 inches TFT color liquid crystal display], Numbers of dots : 640 x 240 dots, Dot pitch : 0.077 mm x 0.231 mm
Back light	Brightness : Approx. 240 cd/m2 (typ.), Durability : Approx.40 000 hour (typ.) at 25 ℃ until the surface brightness reaches 50 % of initial.
Display range	- 999 999 ~ 999 999
Status display	GROSS / NET, TARE, PRE.TARE, STABLE, HOLD, Z-ERR, RUN, CZ, F.FLOW/S1, M.FLOW/S2, D.FLOW/S3, OVER/S4, OK, UNDER, FULL, Z-BAND, FINISH, FLOW / DISCH., S-COMP / SEQ. / 4-COMP / MEAS. / OUT / MIX
Dsiplay of setting value	Final, Preliminary-1, Preliminary-2, Over, Under, Free fall
Display of brand	Code No.: 0 ~ 99, Brand name: Up to 15 characters
Display times	4 times/s (Changeable to 20 times/s)
Display of decimal point	Changeable to no display, 10^1, 10^2, 10^3, 10^4.
Unit display	Changeable to no display, g, kg, t, lb, N and kN
Accumulation display	Accumulation value: 0 ~ 9 999 999 999, Accumulation times: 0 ~ 999 999
Setting method of operation	Setting by the operation in Analog resistive touch panel, Also, setting can be made by the communication through RS-485 interface.
Various function	
Zero tracking	Stabilize the zero shift in a constant condition.
Digital filter	Stabilize the data by operating process in CPU.
Stabilization filter	Stabilize by strengthened the digital filter only when the change width of theload is constant.
Calibration LOCK switch	Lock the calibration function by this switch.
Digital linearize	Compensate the non-linearity by 3 points at the maximum.
Accumulating function	Accumulate the loading data, and memorize the times and total value.
Preset tare	Execute the tare weight cancellation by the setting value input in digital.
Operating temp. /humidity	Temperature 0 ℃~ 40 ℃, Humidity 85 % or less (Non condensing)

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/humidity range	
Power supply voltage	100 VAC ~ AC240 VAC (Permitted variable range: 85 VAC ~264 VAC) 50/60 Hz
Power consumption	Approx. 20 VA (without any options, at 100 VAC), Approx. 30 VA or less (with options, at 100 VAC)
Outline dimensions (WxHxD)	192 mm x 96 mm x 132mm (excludes protruding parts)
Weight	Approx. 1.6 kg (without options)
Protection code	IP65 or equivalent (Only for the fron panel when the attached panel mounting gascket is installed.)

Options

Current output

Voltage output

BCD output

RS-232C interface

RS-422/RS-485 interface

CC-Link interface

PROFIBUS interface

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

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