WE WEIGH THE WORLD™

CI-1580A

Product Introduction

2010.07

Marketing Div.

CAS

Contents

Features

- ✓ High-visibility LED display
- ✓ Shielded against noise (RFI, EMI)
- ✓ High-speed A/D conversion (200 times/sec) & high display resolution (1/10,000)
- ✓ Watch-dog & self-hardware test function
- ✓ Weight back-up function
- ✓ 2 external relay inputs & 3 external relay outputs
- ✓ Terminal block installed
- ✓ By using DC power, input power can be used in 12~24VDC regardless of polarity

  (300mA or over is advisable)
- ✓ Simple and prompt Full Digital Calibration
- ✓ Equivalent input mode for Calibration
- ✓ Variety of applications

  (Platform scale, Truck scale, checking scale, packing scale, tester etc)
- ✓ Option : 12 or 24 VDC adapter

  RS-422/485

  Analog out(V-out: 0~10V, I-out: 4~20mA)

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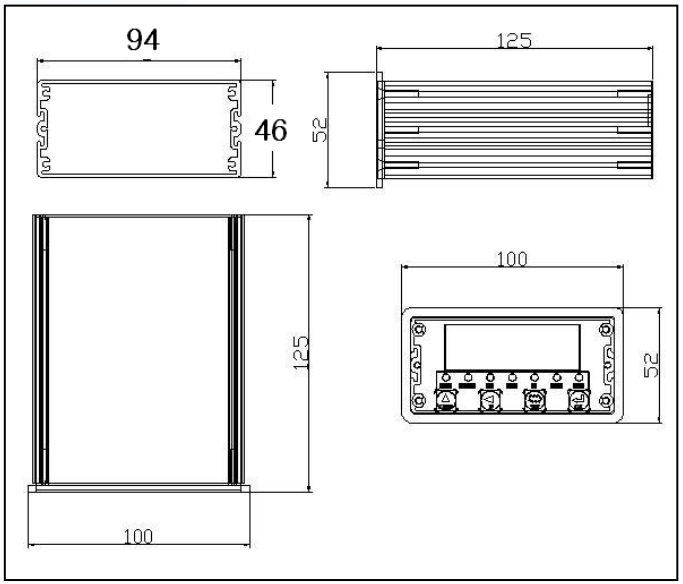
✓ High speed A/D conversion (200 times/sec)
High display resolution(1/10,000)

Via high speed A/D conversion & high display resolution, fast control and accurate weighing is possible in various industrial environments.

✓ Small type for easy installation
VDC 12~24 Power supply(Option)

Small type indicator, CI-1580 can easily installed into panel with 12~24 VDC power.

12~24VDC Power



✓ High-visibility LED display

You can easily see the weight value

in any distance via clear LED display.

(Letter height: 12.7mm)

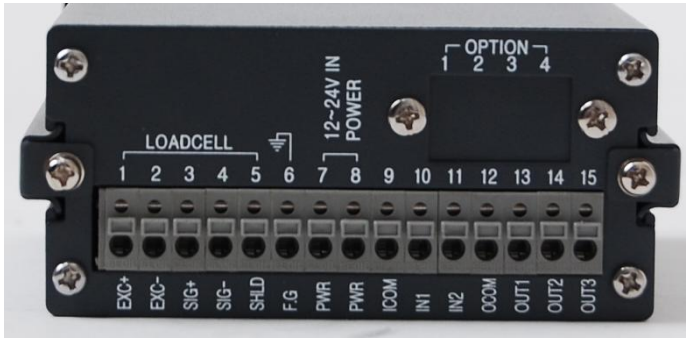
✓ Shielded against noise(RFI, EMI)

CI-1580A can be operated stably by shielding

noise (RFI, EMI)

✓ Terminal block installed

CI-1580A can be connected with Loadcell, power adapter and external equipments such as printer, PLC or controller with an installed port of terminal block type



✓ 2 external relay input and 3 external relay output

Via 2 external relay input and 3 external relay output, you can control CI-1580A with a external controller and install it into a packing scale, checking scale or hopper scale and use it by setting value of High, Low and Final(or Zero).

Specification

Model		CI-1580A
Input sensitivity		*0.3μV / D*
Zero adjustment range		*- 0.6mV ~ + 1.5mV*
Loadcell excitation voltage		*DC 10V (±5V)*
Display		*5digit LED display (Letter Size: 12.7(H)x7.3(W)mm)* *Display under zero point : "-" (minus sign)*
A/D converting method		*ΔΣ*
A/D internal resolution		*520,000 Count(19bit)*
A/D conversion speed		*200times / Sec*
Non-linearity		*0.01% FS*
Power		*VDC 12~24V(200~300mA)*
Operating temperature		*-5℃ ~ +40℃*
Product size(WxHxD/mm)		*(W) 100 X (H) 52 X (D) 125*
Product weight(kg)		*Approx. 0.45kg*
Interface	*Standard*	*RS-232C*
	Option	*RS-422/485, Anlog out(I/V-out)*
External relay input/output		*2 ea/3 ea*
Option		*VDC 12 / 24 adaptor*

Product comparison

Model	CI-1580A	CI-1560A
		
Input sensitivity	*0.3μV / D*	*1.0μV / D*
Zero adjustment range	*- 0.6mV ~ 1.5mV*	*0.05mV ~ 5.0mV*
Loadcell excitation voltage	*DC 10V (±5V)*	*DC 5V*
Display	*5 digit LED display* *(Letter Size: 12.7(H)x7.3(W)mm)* *Display under zero point : "-" (minus sign)*	*6 digit LED (letter size:13(H)mm)*
Internal A/D resolution	*1/520,000*	*1/200,000*
A/D conversion speed	*200times / Sec*	*10times / Sec*
External relay input/output	*2ea/3ea*	*2ea/4ea*
Power	*VDC 12~24V(200~300mA)*	*AC 220V*
Operating temperature	*-5℃ ~ +40℃*	*-10℃ ~ +40℃*
Product size(WxHxD/mm)	*100 X 52 X 125*	*110 X 130 X 66*
Product weight(kg)	*Approx. 0.45kg*	*0.75kg*

Application

Platform

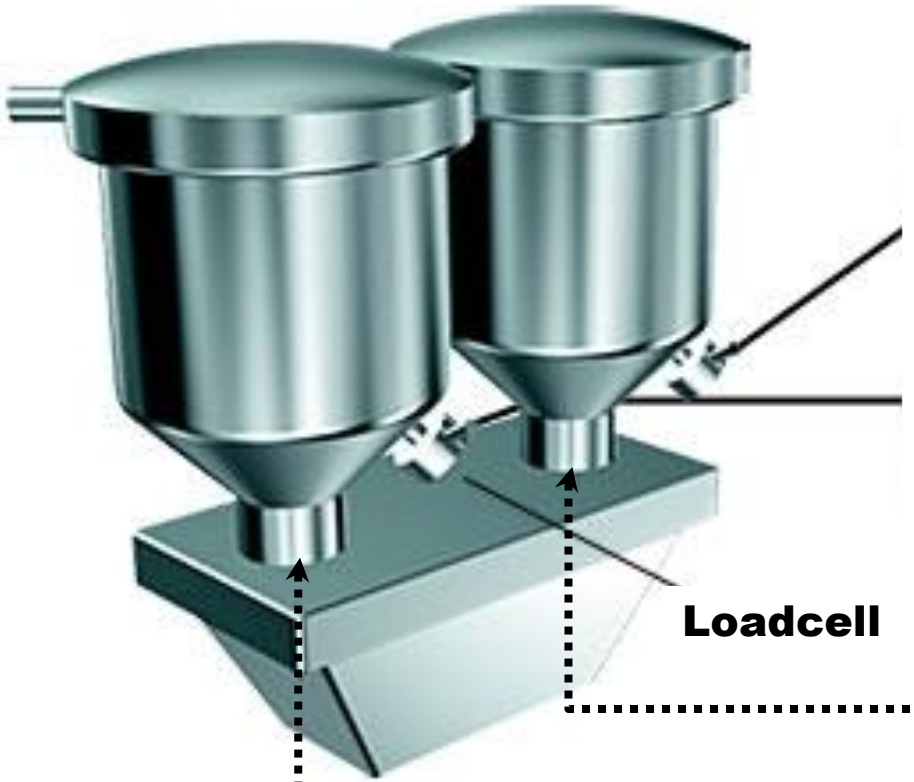
Hopper Scale

Filling machine

Truck Scale

Packing Scale

Application(CASE 1)



CI-1580A

Remote display

Loadcell

PLC
(Programmable
Controller)

Application(CASE 2)

Communication Cable

Communication Cable

Communication Cable

Loadcell Cable

Q & A