

WE WEIGH THE WORLD™

A blue-tinted world map is centered in the background of the slide, showing the continents of North and South America.

CI-1580A

Product Introduction

2010.07
Marketing Div.



I Features

II Specification

III Product comparison

IV Applications



- ✓ **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)



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

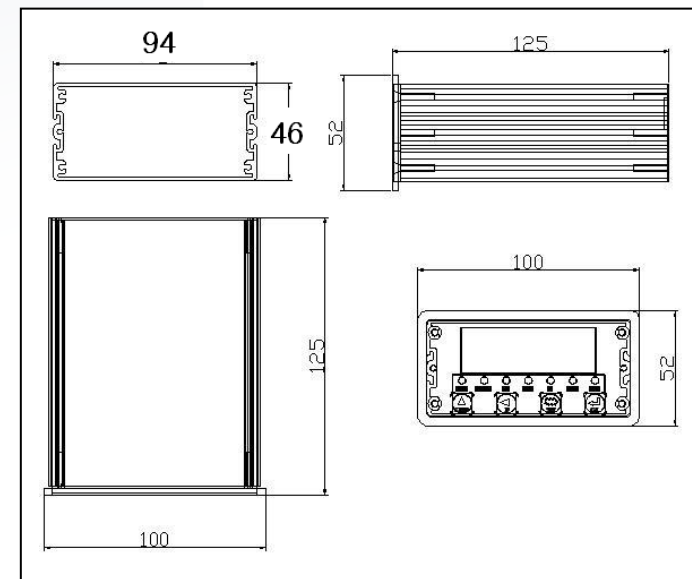
Via high speed A/D conversion & high display resolution, fast control and accurate weighing is possible in various industrial environments.

- ✓ **Small type for easy installation**
VDC 12~24 Power supply(Optional)

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)



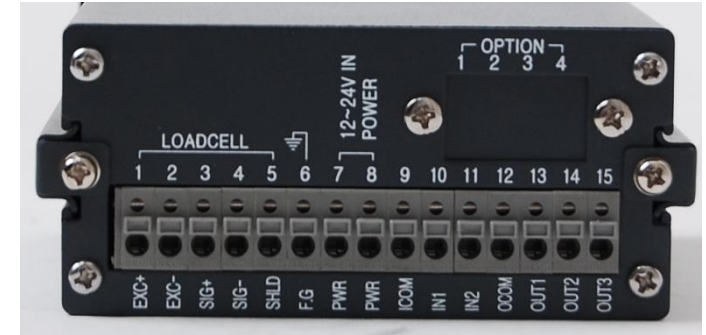
✓ Shielded against noise(RFI, EMI)

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).



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

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

Platform



Hopper Scale



Filling machine

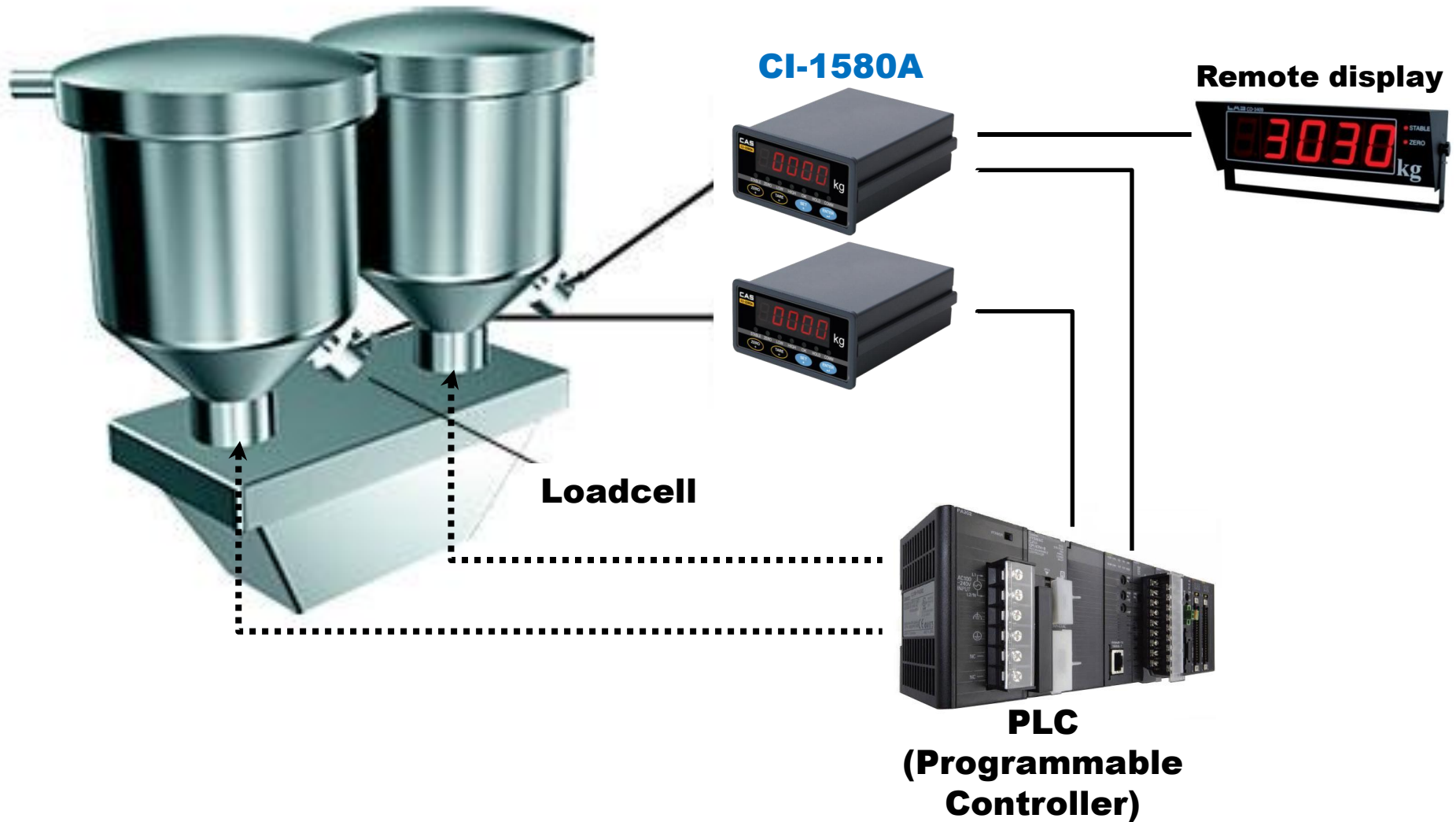


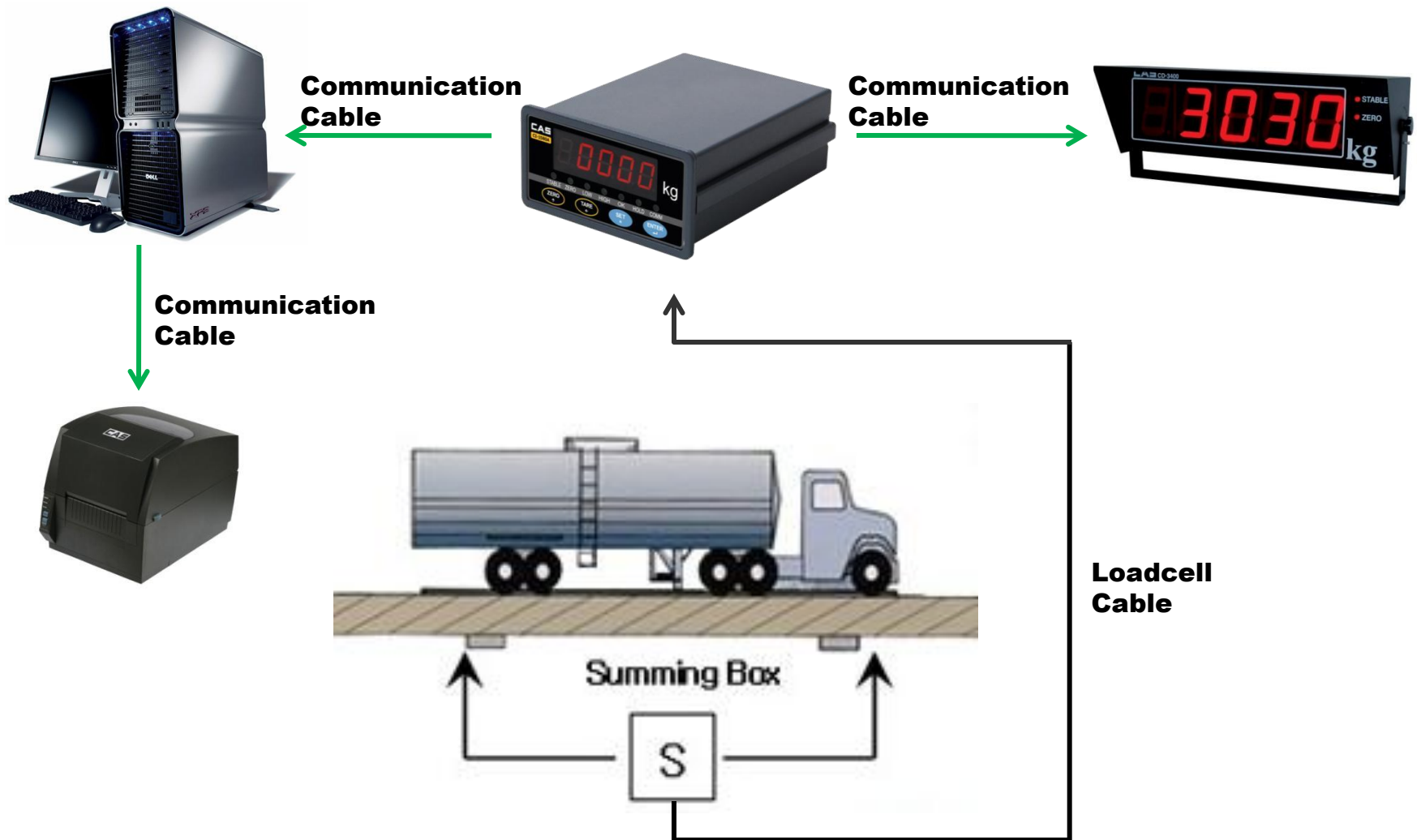
Truck Scale



Packing Scale







Q & A