



WE WEIGH THE WORLD

Product Introduction CI-100A & CB series

CAS



CI-100A
(LED Type)



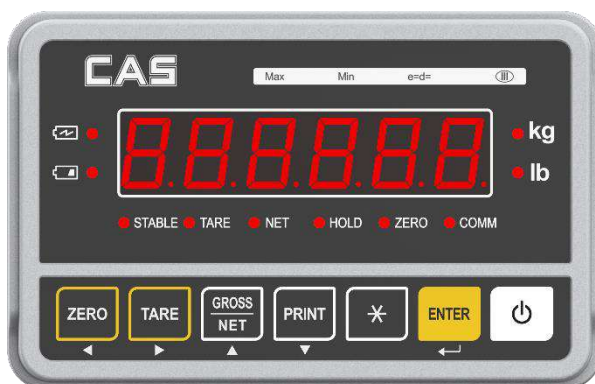
CI-101A
(LCD Type)



✓ High-Visibility display

Bright and clear LED/LCD display makes it to easily see the weight value.

LED display
(Height : 25mm , 6 digits)

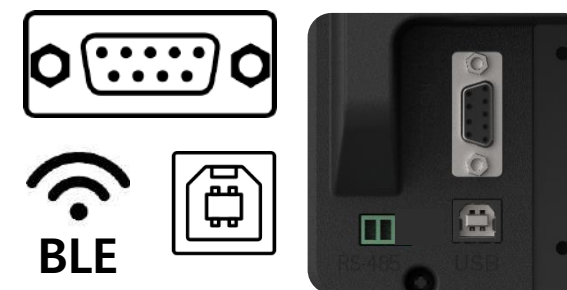


LCD display
(Height : 38mm , 6 digits)



✓ Various Communication Interfaces

- Standard : RS-232C
 - Option : RS-485, USB(B type), BLE
- (Only one can be selected)



✓ Various power supply

CI-100A series indicator can be operated with either DC adaptor with 4 x AA size Rechargeable or Dry batteries.

so, it can be operated in any environments, whether external power supply is available or not.

- Standard : 4 x 1.2V Ni-MH Rechargeable Batteries & DC 6V 1A AC Adaptor
- 4 x 1.5V Alkaline Dry Batteries

✓ Battery operating time

Display	Battery Type (AA size x 4ea)	Battery Operating Time		Battery Charging Time
		Continuous Use	In case of Sleep Mode Use	
LED	1.2 V 2300mAh Ni-MH Rechargeable Battery	35 hours	Max. 70 hours	5 hours
	1.5 V 2800mAh Alkaline Dry Battery	45 hours	Max. 85 hours	-
LCD	1.2 V 2300mAh Ni-MH Rechargeable Battery	60 hours	Max. 90 hours	5 hours
	1.5 V 2800mAh Alkaline Dry battery	75 hours	Max. 120 hours	-

* Battery Operating time can be changed according to battery capacity

✓ 2 Optional Brackets



Fixed Bracket for ø38mm Pole



Wall-mount Bracket

✓ Derivative Products

- Bench scale with Dual 1/3,000 Resolution (OIML, Complete type) – CB, CBB, CBB360/460 series
- Bench Scale with Single 1/3,000 Resolution (COM Combination type) – CI-100A/SPSXXXX

Indicator : CI-100A series



■ Detail

CAS Indicator		Class	0	Display	Model Name
CI	-	1	0	0(LED)	CI-100A
				1(LCD)	CI-101A

• Model Name for Bench Scale with OIML Approval(Complete Model, Dual 1/3,000): **CB□□□□ -XXX□**

■ Detail

Body Frame		CAS Bench		CAPA(kg)	Display	Example
	HD Body Frame	CB		60/150/ 300 (300 : Non-Approval)		CB-60C (HD body frame, 60kg, LCD) CB-150E (HD body frame, 150kg, LED)
	DBII Body Frame	CBB	-	6/15/30 60/150	C(LCD) E(LED)	CBB-30C (DBII LOW body frame, 30kg, LCD) CBB-60E (DBII HIGH body frame, 60kg, LED)
	DBB360 Body Frame	CBB360		60/150		CBB360-60C(DBB360 body frame, 60kg, LCD) CBB360-150E(DBB360 body frame, 150kg, LED)
	DBB460 Body Frame	CBB460		60/150/ 300 (300 : Non-Approval)		CBB460-60C (DBB460 body frame, 60kg, LCD) CBB460-150E(DBB460 body frame, 150kg, LED)

· Model Name for Bench Scale with OIML Approval(Single 1/3,000, COM Combination type) : **CI-100A/SPSXXXX-XXX**

■ Detail

Body Frame	Indicator	SPSXXXX (body Size)	CAPA(kg)	Example
SPS body 	CI-100A(LED) CI-101A(LCD)			
		SPS5060	150/300	CI-101A/SPS5060-60 (SPS5060 body, 60kg, LCD)
		SPS6070	150/300/ 600	CI-100A/SPS6070-150(SPS5060 body, 150kg, LED)
		SPS7080	300/600	CI-101A/SPS7080-300(SPS7080 body, 300kg, LCD)
		SPS8090	300/600	CI-100A/SPS8090-600(SPS8090 body, 600kg, LED)

Specification of CI-100A Indicator

Model	CI-100A(LED)	CI-101A(LCD)
		
Load Cell Input Voltage	DC 3.3V	
Load Cell Connection Type	4 wire	
Load Cell Connection No.	1ea (350Ω)	
Zero adjust range	0.05~5mV	
Input Sensitivity	1.2uV/D	
External Resolution	Dual 1/3,000(OIML), 1/5,000(Max)	
A/D conversion speed	10 times/sec	
Display	6digits LED (Character Height : 25mm)	6digits LCD (Character Height : 38mm)
Key	7 Keys	
Status Lamp	Low Battery, Stable, Zero, Net, Hold, Tare, Communication, kg	Battery gauge, Stable, Zero, Net, Hold, Tare, Communication, kg, Low, OK, High, Charge
Function	General Weighing Accumulative Weighing Hold	General Weighing, Counting Counting Comparison(Hi/Lo/Ok) Weighing Comparison(Hi/Lo/Ok) Accumulative Weighing Percent Weighing, Hold

* Specifications are subject to change without prior notice.

Specification of CI-100A Indicator

Model		CI-100A(LED)		CI-101A(LCD)	
Communication	Standard	RS-232C			
	Option	RS-485, USB(only for data communication), BLE *Only one can be selected.			
Port		1 port for Standard, the other one for Option(in case of use)			
Power		1. 1.2 V Ni-MH Rechargeable Battery AA x 4ea (Standard) 2. DC 6V 1A AC Adaptor (Standard) 3. 1.5 V Alkaline Dry Battery AA x 4ea			
Battery Operating Time	Usage type	Continuous Use	Sleep Mode Use	Continuous Use (Backlight on)	Sleep Mode Use
	2300mAh Ni-MH Rechargeable battery	35 hours	Max. 70 hours	60 hours	Max. 90 hours
	2800mAh Alkaline Dry battery	45 hours	Max. 85 hours	70 hours	Max. 120 hours
Battery Charging Time (2300mAh Ni-MH Rechargeable battery)		5 hours			
Printer Connection		O(Connectable with DEP-50/DLP-50)			
RTC		Applied			
Operating Temperature(°C)		-10~ 40			
Option		RS-485, BLE, USB Fixed Bracket for 38mm Pole Wall bracket			
Product Size(mm)		214(W)x72(D)x136(H)			
Product Weight		500g			
Certificate		CE, OIML			

* Specifications are subject to change without prior notice.

CB-E



CB-C



Specification of CB series Bench Scale

Model		CB-E(LED)		CB-C(LCD)	
Max.Capacity(kg)		30/60	60/150	30/60	60/150
Readability(g)		10/20	20/50	10/20	20/50
Resolution		Dual 1/3,000			
Display		6digits LED (Character Height : 25mm)		6digits LCD (Character Height : 38mm)	
Sign for Status		Low Battery, Stable, Zero, Net, Hold, Tare, Communication, kg		Battery gauge, Stable, Zero, Net, Hold, Tare, Communication, kg, Low, OK, High, Charge	
Key		7 function keys			
Interface	Standard	RS-232C			
	Optional	RS-485, BLE, USB(Only one can be selected)			
Power		1. 1.2 V Ni-MH Rechargeable Battery AA x 4ea (Standard) 2. DC 6V 1A AC Adaptor (Standard) 3. 1.5 V Alkaline Dry Battery AA x 4ea			
Battery Operating Time	Usage type	Continuous Use	Sleep Mode Use	Continuous Use	Sleep Mode Use
	2300mAh Ni-MH Rechargeable battery	35 hrs	Max. 70 hrs	60 hrs	Max. 95 hrs
	2800mAh Alkaline Dry battery	45 hrs	Max. 85 hrs	75 hrs	Max. 120 hrs
Battery Charging Time (2300mAh Ni-MH Rechargeable battery)		5 hrs		5 hrs	
RTC(Real Time Clock)		Applied			
Connectable Printer		DEP-50, DLP-50			
Operating Temperature(°C)		-10 ~ 40			
Platform Size(WxD, mm)		400 x 500			
Product Size(WxDxH, mm)		400 x 610 x 900			
Product Weight(kg)		15			
Options		RS-485, BLE, USB			

※ Specifications subject to change without notice

CBB-E

CBB-6,15,30E



CBB-60,150E



CBB-C

CBB-6,15,30C



CBB-60,150C



Specification of CBB series Bench Scale

Model		CBB-E(LED)					CBB-C(LCD)				
Max.Capacity(kg)		3/6	6/15	15/30	30/60	60/150	3/6	6/15	15/30	30/60	60/150
Readability(g)		1/2	2/5	5/10	10/20	20/50	1/2	2/5	5/10	10/20	20/50
Resolution		Dual 1/3,000									
Display		6digits LED (Character Height : 25mm)					6digits LCD (Character Height : 38mm)				
Sign for Status		Low Battery, Stable, Zero, Net, Hold, Tare, Communication, kg					Battery gauge, Stable, Zero, Net, Hold, Tare, Communication, kg, Low, OK, High, Charge				
Key		7 function keys									
Interface	Standard	RS-232C									
	Optional	RS-485, BLE, USB(Only one can be selected)									
Power		1. 1.2 V Ni-MH Rechargeable Battery AA x 4ea (Standard) 2. DC 6V 1A AC Adaptor (Standard) 3. 1.5 V Alkaline Dry Battery AA x 4ea									
Battery Operating Time	Usage type	Continuous Use			Sleep Mode Use		Continuous Use			Sleep Mode Use	
	2300mAh Ni-MH Rechargeable battery	35 hrs			Max. 70 hrs		60 hrs			Max. 95 hrs	
	2800mAh Alkaline Dry battery	45 hrs			Max. 85 hrs		75 hrs			Max. 120 hrs	
Battery Charging Time (2300mAh Ni-MH Rechargeable battery)		5 hrs					5 hrs				
RTC(Real Time Clock)		Applied									
Connectable Printer		DEP-50, DLP-50									
Operating Temperature(°C)		-10 ~ 40									
Platform Size(WxD, mm)		280 x 280			400 x 520		280 x 280			400 x 520	
Product Size(WxDxH, mm)		280 x 370 x 530			415 X 650 X 760		280 x 370 x 530			415 X 650 X 760	
Product Weight(kg)		5			14.7		5			14.7	
Options		RS-485, BLE, USB									

※ Specifications subject to change without notice

CBB360-E



CBB360-C



Specification of CBB360 series Bench Scale

Model		CBB360-E(LED)		CBB360-C(LCD)	
Max.Capacity(kg)		30/60	60/150	30/60	60/150
Readability(g)		10/20	20/50	10/20	20/50
Resolution		Dual 1/3,000			
Display		6digits LED (Character Height : 25mm)		6digits LCD (Character Height : 38mm)	
Sign for Status		Low Battery, Stable, Zero, Net, Hold, Tare, Communication, kg		Battery gauge, Stable, Zero, Net, Hold, Tare, Communication, kg, Low, OK, High, Charge	
Key		7 function keys			
Interface	Standard	RS-232C			
	Optional	RS-485, BLE, USB(Only one can be selected)			
Power		1. 1.2 V Ni-MH Rechargeable Battery AA x 4ea (Standard) 2. DC 6V 1A AC Adaptor (Standard) 3. 1.5 V Alkaline Dry Battery AA x 4ea			
Battery Operating Time	Usage type	Continuous Use	Sleep Mode Use	Continuous Use	Sleep Mode Use
	2300mAh Ni-MH Rechargeable battery	35 hrs	Max. 70 hrs	60 hrs	Max. 95 hrs
	2800mAh Alkaline Dry battery	45 hrs	Max. 85 hrs	75 hrs	Max. 120 hrs
Battery Charging Time (2300mAh Ni-MH Rechargeable battery)		5 hrs		5 hrs	
RTC(Real Time Clock)		Applied			
Connectable Printer		DEP-50, DLP-50			
Operating Temperature(°C)		-10 ~ 40			
Platform Size(WxD, mm)		360 x 460			
Product Size(WxDxH, mm)		360 X 600 X 860			
Product Weight(kg)		14.7			
Options		RS-485, BLE, USB			

※ Specifications subject to change without notice

CBB460-E



CBB460-C





Specification of CBB460 series Bench Scale

Model		CBB460-E(LED)			CBB460-C(LCD)		
Max.Capacity(kg)		30/60	60/150	150/300 (Non-Approval)	30/60	60/150	150/300 (Non-Approval)
Readability(g)		10/20	20/50	50/100	10/20	20/50	50/100
Resolution		Dual 1/3,000					
Display		6digits LED (Character Height : 25mm)			6digits LCD (Character Height : 38mm)		
Sign for Status		Low Battery, Stable, Zero, Net, Hold, Tare, Communication, kg			Battery gauge, Stable, Zero, Net, Hold, Tare, Communication, kg Low, OK, High, Charge		
Key		7 function keys					
Interface	Standard	RS-232C					
	Optional	RS-485, BLE, USB(Only one can be selected)					
Power		1. 1.2 V Ni-MH Rechargeable Battery AA x 4ea (Standard) 2. DC 6V 1A AC Adaptor (Standard) 3. 1.5 V Alkaline Dry Battery AA x 4ea					
Battery Operating Time	Usage type	Continuous Use	Sleep Mode Use		Continuous Use	Sleep Mode Use	
	2300mAh Ni-MH Rechargeable battery	35 hrs	Max. 70 hrs		60 hrs	Max. 95 hrs	
	2800mAh Alkaline Dry battery	45 hrs	Max. 85 hrs		75 hrs	Max. 120 hrs	
Battery Charging Time (2300mAh Ni- MH Rechargeable battery)		5 hrs			5 hrs		
RTC(Real Time Clock)		Applied					
Connectable Printer		DEP-50, DLP-50					
Operating Temperature(°C)		-10 ~ 40					
Platform Size(WxD, mm)		460 x 570					
Product Size(WxDxH, mm)		460 X 710 X 860					
Product Weight(kg)		20					
Options		RS-485, BLE, USB					

CI-100A/SPS



CI-101A/SPS



Specification of CI-100A/SPS series Bench Scale

Model		CI-100A/SPS5060		CI-100A/SPS6070			CI-100A/SPS7080		CI-100A/SPS8090	
Max.Capacity(kg)		150	300	150	300	600	300	600	300	600
Readability(g)		50	100	50	100	200	100	200	100	200
Resolution		1/3,000(OIML)								
Display		CI-100A/SPSXXXX : 6digits LED(Character Height : 25mm) CI-101A/SPSXXXX : 6digits LCD(Character Height : 38mm)								
Sign for Status		CI-100A/SPSXXXX : Low Battery, Stable, Zero, Net, Hold, Tare, Communication, kg CI-101A/SPSXXXX : Battery gauge, Stable, Zero, Net, Hold, Tare, Communication, kg, Low, OK, High, Charge								
Key		7 function keys								
Interface	Standard	RS-232C								
	Optional	RS-485, BLE, USB(Only one can be selected)								
Power		1. 1.2 V Ni-MH Rechargeable Battery AA x 4ea (Standard) 2. DC 6V 1A AC Adaptor (Standard) 3. 1.5 V Alkaline Dry Battery AA x 4ea								
Battery Operating Time		CI-100A/SPSXXXX : 35~70 hrs(Ni-Mh battery) / 45~85 hrs(Alkaline battery) CI-101A/SPSXXXX : 60~95 hrs(Ni-Mh battery) / 75~120 hrs(Alkaline battery)								
Battery Charging Time		5 hrs(Ni-Mh battery)								
RTC(Real Time Clock)		Applied								
Connectable Printer		DEP-50, DLP-50, BP-DT-4								
Operating Temperature(°C)		-10 ~ 40								
Platform Size(WxD, mm)		500 x 600		600 x 700			700 x 800		800 x 900	
Product Size(WxDxH, mm)		500 X 750 X 875		600 X 850 X 875			700 X 950 X 875		800 X 1050 X 875	
Product Weight(kg)		22.5		31.5			39.7		46.8	
Options		RS-485, BLE, USB								

※ Specifications subject to change without notice

Company Model	CAS		CAS	
	DBI-E	DBI-C	CI-100A(LED)	CI-101A(LCD)
				
Load Cell Input Voltage	DC 5V		DC 3.3V	
Input Sensitivity	2.0μV/D		1.2uV/D	
Power	DC 12V 1.25A Adaptor/ 6V 3.3AH Pb battery		1. 1.2 V Ni-MH Rechargeable Battery AA x 4ea(Standard) 2. DC 6V 1A AC Adaptor(Standard) 3. 1.5 V Alkaline Dry Battery AA x 4ea	
Battery Operating Time	40 hours	Approx. 100 hours(Backlight Off) Approx. 25 hours (Backlight On)	Rechargeble Battery 45 hours	Rechargeble Battery 70 hours(Backlight On)
Battery Charging Time	12 Hours		5 hours	
Display	20mm 5 digits	25mm 6 digits	6digits LED (Character Height : 25mm)	6digits LCD (Character Height : 38mm)
Key	8 keys		7 Keys	
kg/lb unit change			O	
A/D conversion speed			10 times/sec	
A/D Resolution	1/3,000(Dual range)		1/3,000(Dual range, OIML), 1/5,000	
Load Cell connection type	4 wire		4 wire	
Load Cell connection No.	1ea(350Ω)		1ea(350Ω)	
Communication	RS-232C		Standard : RS-232C, Option : RS-485, USB, BLE	
Printer Connection	O		O	
RTC	O		O	
Operating Temperature	-10 °C ~ 40 °C		-10 °C ~ 40 °C	
Bracket	Pole Bracket, Stand Bracket, Wall Bracket		Option : Fixed Bracket for 38mm Pole Wall bracket	
Option	Pole Bracket, Stand Bracket, Wall Bracket		RS-485, BLE, USB Fixed Bracket for 38mm Pole Wall bracket	
Product Size(mm)	220(W)x87(D)x177(H)		214(W)x70(D)x136(H)	
Product Weight	1.5kg		500g	
Certificate	OIML/EU-TEC		OIML/EU-TEC/NTEP	