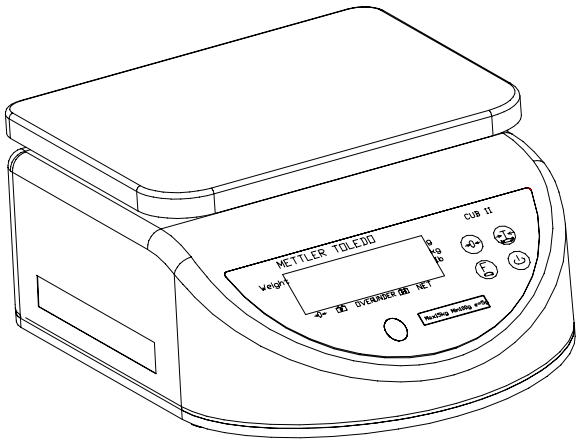
Cub II



Compact Scale
Service Manual

METTLER TOLEDO

Version: 1.1 (01/05)

CONTENTS

1 Introduction

Thank you for purchasing the CUB II weigh only scale, designed for various weighing applications.

1.1 CUB II Overview

The Mettler Toledo model CUB II is a stand-alone weigh only scale designed to meet the needs of a worldwide market.

1.1.1 Reliability

The CUB II was developed, produced, and tested in a Mettler Toledo facility that has been audited and registered according to international ISO 9001 quality standards and ISO 14000 environment control program.

1.1.2 Standard Features

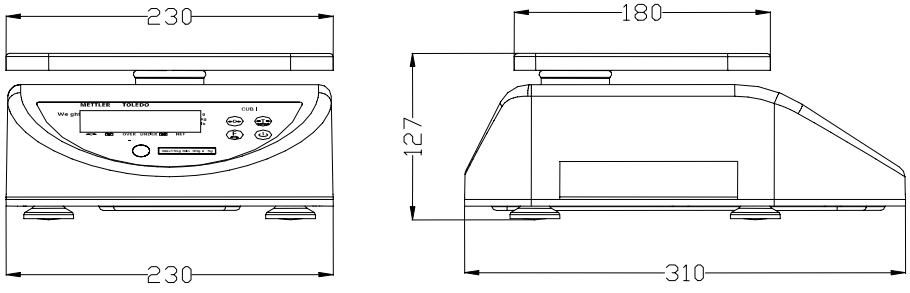
Not all features are available in all models.

- Capacity: 1500x0.5g; 3000x1g; 6000x2g;15000 x 5g
  3x0.001lb; 6x0.002lb; 15x0.005lb; 30x0.01lb
  50x0.02 OZ; 100x0.05 OZ; 200x0.1 OZ; 500x0.2 OZ
- Average updating speed: up to 0.8 seconds
- Accuracy: 3000 approved*, 6000/7500 maximum displayed
- Platter: stainless steel: 180X230mm
- Display: LED: 14 mm high, red, 6 digits.
  LCD: 19 mm high, optional backlight is available, 6 digits.
- Different display updating style: normal updating or holding display.
- Keyboard: 4 touch keys with a tactile and tone feedback upon key closure.
- Power supply: External 9VDC/500mA power supply.
  6V/5Ah lead-acid rechargeable battery.
  6 1# D-cells (LCD version only).
  Clever battery capacity indication gives you more convenience of use of battery (LCD version only).
- Enclosure: Plastic top and plastic bottom covers, SS spiders (top/lower).
- Basic functions: zero; tare; on/off, over and under.
- IP 65
- Sealing: The following 3-level sealing will be available for some models. Battery is in a sealed and separated housing.
  First level rubber ring sealing is between up cover and base and spider and up cove;
  The second rubber ring sealing is for both main PCB and back PCB;
  The third glue sealing is for main PCB.

1.1.3 Option

Big SS platter: sized 200X290mm
Plastic shield for thin sealing ring

1.1.4 Physical Dimensions



1.1.5 Power

Power supply

- ☞ External 9VDC/500mA power supply.
- ☞ 6V/5Ah lead-acid rechargeable battery.
- ☞ 6 1# D-cells (LCD version only).

Notice: non-rechargeable battery can not be used in the scale with charging function.
The work time is battery capacity/ working current.
Please use these calculated data as an indication, data will vary, depending on supplier, environment, age, way of usage, etc.

1.1.6 Load Cell

The capacity of the analog load cell versus the capacity of the scale is as follows:

Capacity of the scale	1500 g/3 lb/50 OZ	3000 g/6 lb/100 OZ	6000 g/15 lb/200 OZ	15000 g/30 lb/ 500 OZ
Capacity of the load cell	3.5kg	6.5kg	15kg	30kg
Resistance of the load cell	350 ohm	350 ohm	350 ohm	350 ohm

1.1.7 Temperature and Humidity

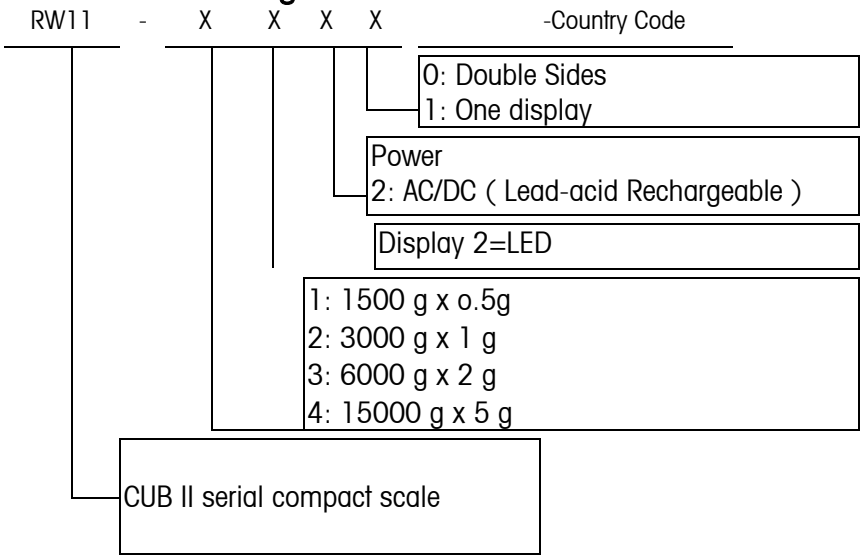
Working temperature range: from -10 to +40 ºC (+14 to +114F) at following humidity:
IP 65, 10 to 85% humidity, non-condensing.
Storage temperature range: from -25 to +50ºC at 10 to 85% humidity, non-condensing.

1.1.8 Weights and Measures Approval

- UL: E2940
- OIML 3000e: The approval number is: Nº R76/1992-NL 1-03.49
- Factory Audit OIML (first step) by the Eichdirektion Stuttgart

For most EU countries the CUB II will be factory stamped.

1.2 Model Configuration



2 Installation

2.1 Precautions

This chapter gives detailed instructions and important information to install the CUB II scale successfully.

2.2 Environment

Before you install the scale, identify the best location for the equipment. The proper environment enhances its operation and longevity. Keep in mind the following factors, which might have a negative influence on the scale's operation:

☞ Vibration

Vibration diminishes the scale's ability to measure accurately. Electrical machinery such as conveyors and drill presses can cause inaccurate and non-repeatable readings. The scale may also read inaccurately if it is not leveled properly.

☞ Air current

Moving air can cause the scale to read an additional force (add. weight) and have the same effect as vibration.

☞ Friction

A scale cannot measure accurately if an object is rubbing or pressing against the plate.

2.3 Unpacking and inspection

Please inspect the package as it is delivered by the carrier. If the shipping container is damaged, check for internal damage and file a freight claim with the carrier if necessary. If the container is undamaged, open the box, remove the scale and place it on a solid, flat surface. Please keep the packing material and shipping insert in case you need to return the scale to METTLER TOLEDO. The CUB II is a precision instrument and may be permanently damaged if not shipped in factory approved packaging.

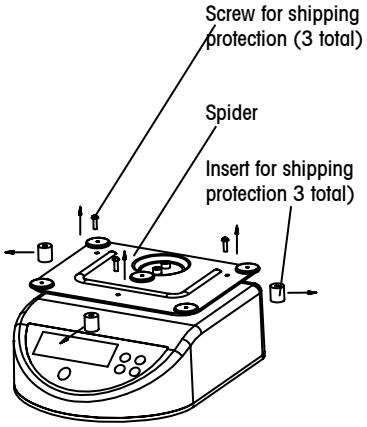
Package contents for all CUB II units include:

☞ CUB II scale ☞ platter ☞ AC-DC power adapter ☞ operation manual

2.4 Setup

Open the box and pull up the scale. Remove the packing material from each side of the scale.

Set the unit on a sturdy; Remove 3 shipping protection screws on the spider, then remove the 3 plastic column inserts under the spider.



Level the scale by turning the adjustable feet. It is leveled correctly when the bubble indicator is in the centre of the circle.

Bubble indicator: Good  Wrong 

All four feet must touch the surface to make sure that CUB II does not rock. Then Put the platter on top of CUB II.

Plug the connector of the adapter to the power connector of the scale, and plug the adapter to local AC socket.

Notice: Don't turn the 2 feet on the back tightly to let the air flowing between inside and outside of the scale smoothly.

But please turn these 2 feet tightly until seal the gap between the foot and base to void water to get into the scale if you want to wash down the scale with water.

2.5 Power up sequence and Turn Off the Scale

Press the power key ⏻ turn on the CUB II. It goes through a series of self-tests when it is turned on. The scale performs a diagnostic test on its ROM and RAM, and proceeds to normal operating mode. The power-up sequence is as follows:

- Light all segments of the display characters. This verifies operation of all segments.
- Display the software part number, revision number, GEO value and battery type one by one.

- Capture zero and be ready for normal operation.

Note: Before switching on the CUB II scale, always make sure there is nothing on the platter.

Press the power key ⏻ until "OFF" is shown to turn off the scale.

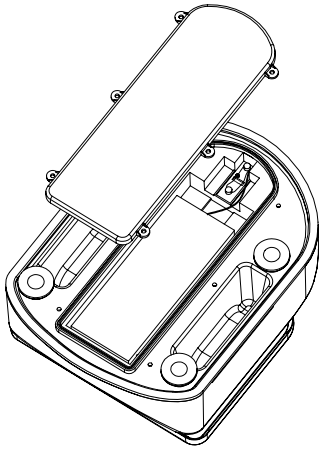
2.6 Sealing

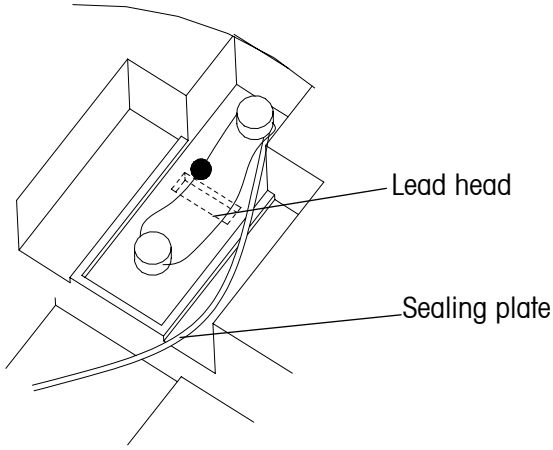
After installation is complete, most legal-for-trade applications require sealing the enclosure so settings cannot be changed.

There are two kinds of sealing, one is lead wire sealing, the other is sticker sealing

2.6.1 The lead wire sealing

- Install special through-hole sealing screw.
- Tighten these two screws and run a wire seal through the holes in the heads of the screws.
- Apply the seal.

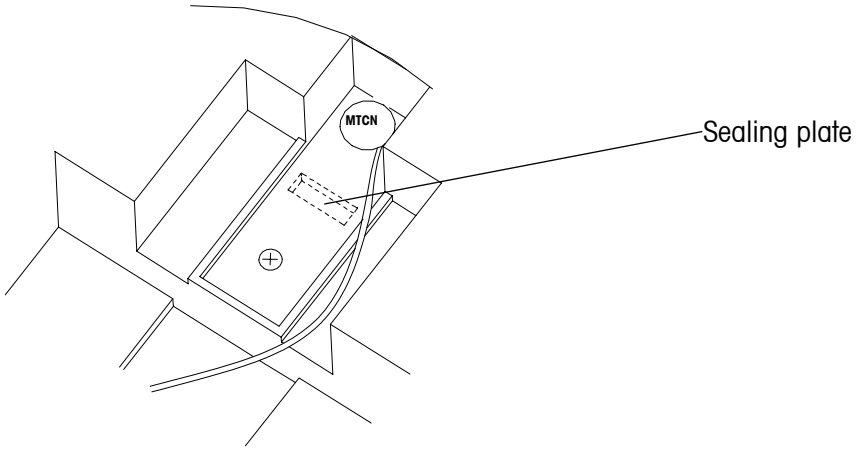




2.6.2 Sticker Sealing

Security Sticker Ø 15mm material Vinyl white 3690 E UL, colour red, type black.

The position for the sealing and stamping stickers is shown below.



3 Set up and Calibration

This chapter discusses basic features of program blocks and the specific parameters and how to configure each program block. There are two ways (Service Mode & Master Mode) to access the program steps and calibration. In master mode, some softswitches are programmable, and in service mode, all softswitches and calibration are programmable. The following section "Set up Softswitch and Default Table" lists softswitch default values in two modes.

Service setup mode
Open battery holder cover, and remove the calibration plate, push the switch on the main PCB rightward with a thin rod through the calibration hole. The display will show "S1 ON", it means the scale has accessed to setup mode. At this time, you may push the switch back. In this case, after setting finish, it is not needed to push the switch again.
Service setup mode:
Press and hold [>0<] until "S1 OFF" is displayed to access master mode when turn on the scale.

3.1 Function of the key

In Set up mode, the functions of the keys are as follows:

Key	Name	Function
[>0<]	Finish key	Confirm choice and step forwards to next step
[>T<]	Toggle key	Chose parameter
[F]	Back key	Step backwards to last step
[on/off]	Accept key	Finish setting

3.2 Set up Softswitch and Default Table

Step	Description	Available parameter	Default	Available in master mode
CTY	Area selection	EU: areas where lb is illegal GE: areas where lb can be used.		
Def	Initiate default	No: don't initiate the default; Yes: Initiate the default	no	No
S1	Automatically turn off scale	ON: Enable this function; OFF: disable this function	off	yes
S2	Sleeping function	ON: Enable this function; OFF: disable this function	on	yes
S3	Checking function	0: no beep 1: beep when weight is between over and under value. 2: beep when weigh is out of range of over and under. **To the software L 2.3 version, this setting is changed as follows:** ***0: no checking function (disable F key, alarming and cursor light)** 1: beep when weight is between over and under value, two cursors are on. 2: beep when weigh is out of range of over and under, two cursors are on. **3:** beep when weight is between over and under value, two cursors are off. **4:** beep when weigh is out of range of over and under, two cursors are off. **5: no beep, two cursors are off when weight is between over and under value** **6: no beep, two cursors are on when weight is between over and under value**	0	yes
**S4	Filter strength	0：light; 1：normal; 2：strong; 3：very strong 4：light; 5：normal; 6：strong; 7：very strong Compared with 0~3, 4~7 has lower display updating frequency.	2	yes
S5	Weight unit	g/kg g/OZ/lb	g	yes
S6	LED brightness	0：normal 1：dimmer than "0" 2：dimmer than "1" 3：dimmer than "2"	0	yes
DSP	Display type	On: hold display; Off: rapidly update	off	yes
S8	Resolution	On: 6000/7500 (available); Off: 3000 (approved)	off	No
S9	Enable access	On: Enable; Off: Disable	off	No

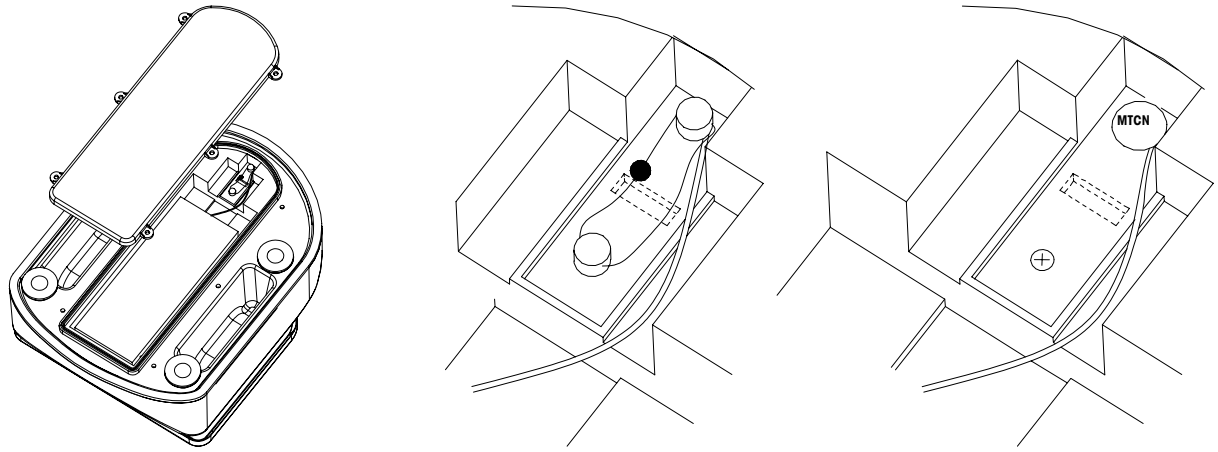
	to S8 in master mode			
S10	Expanded display	On: Expanded display (30000 quantity) Off: Normal display	off	No
S11	Negative weight display	On: Show 'uuuuuu" when gross weight is negative. Off: Show actual data when gross weight is negative	off	No
S12	Zero-forward speed	On: High Off: Normal	on	No
BAT	Charge function	CH: With charge function D: without charge functin	CH	No
GEO	GEO code	0~31	12	No
CAL	Calibration	No: don't calibrate the scale Yes: calibrate the scale	on	No
SAVE	Save the setting	Save: save all modification Abort: abort all modification	save	No

* At this time, key F is disabled.
** Software 2.2 version adds choices 4~7.

3.3 Calibration

3.3.1 Calibration switch & sealing stickers

Bottom view of CUB II



3.3.2 Calibrate scale and exit setting mode

Step	Operation	Display	Description
		[CAL YES]	
1	Press [ON/OFF]	[KG]	Calibration weight unit
	Press [>T<]	[LB]	Chose suitable parameter
2	Press [ON/OFF]	[600]	Capacity of the scale**
	Press [>T<]	[1500]	Chose suitable parameter
3	Press [ON/OFF]	[------]	Capture zero, make sure the platter is empty before press [>0<]
4		[5]	The scale count down from 5 to 0, if the scale isn't stable, it will count again until find stable zero.
5	Press [ON/OFF]	[400]	Put the weight of 400g (2/3 of the full capacity) on the platter
6	Press [ON/OFF]	[600]	Put the weight of 600g (full capacity) on the platter
7	Press [ON/OFF]	[5]	Capture span. The scale count down from 5 to 0, if the scale isn't stable, it will count again until find stable zero.
8	Press [ON/OFF]	[SAVE]	Save calibration and all setting changes
	Press [>T<]	[ABORT]	Abort calibration and all setting changes

9	Press [ON/OFF]	[DONE]	Finish calibration
	Push the calibration switch back	[0.000]	Weigh display mode

* the lines highlighted by grey are for reference of parameter choice.

** The available capacities are as follows:

Capacity of the scale	1500 g	3000 g	6000 g	15000 g
Display	1500	3000	6000	15000

Capacity of the scale	3 lb	6 lb	15 lb	30 lb
Display	3000	6000	15000	30000

** The capacity of the scale versus the required added weight

Capacity of the scale	1500 g	3000 g	6000 g	15000 g
Full capacity	1500	3000	6000	15000
2/3 of the capacity	1000	2000	4000	10000

Capacity of the scale	3 lb	6 lb	15 lb	30 lb
Full capacity	3000	6000	15000	30000
2/3 of the capacity	2000	4000	10000	20000

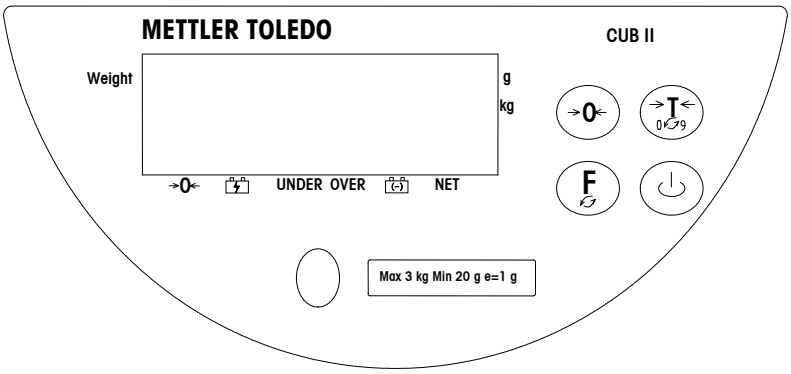
4 Operating Instructions

This chapter provides information that an operator will need to become familiar with the scale and to perform its functions.

4.1 Display Area & Keypad

The CUB II price computing model has four overlay depending different version. These are pictured below:
EU Version

4.1.1 Overlay



4.2 Keys

Key	Name	Function
>0<	Zero Key	To return the scale to gross zero if drifting occurs
>T<	Tare Key	To tare the scale
F	Function Key	To enter over/under setting mode
⏻	Power key	To turn on or turn off the scale

4.3 Cursors

Cursor		Description
>0<		To be lit when weight is gross 0
LED version		To be lit when power is AC or battery is fully charged
		To be lit when power is battery, it blinks to indicate the voltage of battery is lower than the required
LCD version		To be lit when power is AC or battery is fully charged blinking means the voltage is being charged
		To be lit when left capacity is 2/3 of the full capacity blinking means the voltage is being charged
		To be lit when left capacity is 1/3 of the full capacity blinking means the voltage is being charged
		In charging mode: blinking means the voltage is being charged In discharging mode: To be lit when voltage is almost used up. Begin blinking when the power of the battery is less than the requirement. The scale will be turned off automatically when voltage is less than the critical voltage point.
Net		To be lit when tare is existed
under		To be lit when weight is less than the under value
over		To be lit when weight is more than the over value

Notice: Some model has back display. Please check with dealer if the model you purchase has back display.

5 Operations

5.1 Straight weighing

Place the item to be weighed on the platter.
Remove the item from the platter, display will return to 0.

5.2 Re-zero function

There are two ways to re-zero the scale:

1. Power-up Zero
2. Push button Zero

5.2.1 Power-up Zero

The scale will automatically capture zero when it is turned on. The power-up zero capture range is +/-10% of the scale capacity. When the scale is turned on with a weight on the platter of more than +/-10% of the capacity, the scale will not capture zero (the weight display will show "-----") and the scale will not be ready for use. After removing the weight the scale will capture "zero".

5.2.2 Pushbutton Zero >0<

The ZERO key re-zeros the scale over a range of +/-2% of the scale capacity. To use this function, the scale must be in the gross weighing mode(NET cursor must be off) and in a no motion condition. When the weight on the platter is more then +/-2% of the scale capacity the depression of the zero key will not be accepted.

5.3 Tare Function

The Tare key subtracts the weight of the wrapping material.

1) Place the empty container or wrapping material on the platter, e.g. 50g.
2) Press >T< key, it show net weight 0g, meanwhile net weight cursor light.
3) Place the item to be weighed in the container or on the wrapping material and then onto the platter.
4) Remove the weighed item, as well as the container or wrapping material from the platter, the displays will show all the negative net weight of the container, e.g. -50g.
5) Press >T< key to return the scale back to gross weighing mode.

5.4 Power Save and automatically turning off scale

Power saving feature is used to save battery power. Theses functions can be enabled or disabled trough setting.
When using the battery and the scale is idle for 2 minutes, both the price and total price displays will turn off, the weight display will only display one decimal on the right and the battery in use cursor is lit. This indicates that the scale is in the power saving cycle. When weight is placed on the platter or a key is pressed, the scale will wake up automatically.
If there is still no key operation and weight change 15 minutes after power saving status occurred, the scale will be turned off automatically.

5.5 Backlight

Press key [Zero] until to hear 2 continuous beep to turn on the backlight. Using the same way or just turning off the scale turn off backlight.
The backlight will be turn off temporarily if there is no weight change or no key touching for 15 seconds, while in this case, if weight changes or any key is pressed, backlight will be turned on automatically.
This function is only available in LCD with backlight version.

6 Over/Under

6.1 Setting mode

Press [F] key to access to setting mode. The display will show default 0.000 (the digits on the both sides of decimal point vary with the capacity and its resolution E.g.: 0.000 (3kg scale)) or exiting value.
Notice: All value will be zero after resolution or weight unit is changes.
Cursor over will light when setting over values, and the under will light when setting under value.

6.2 Key Function

In over and under setting mode, the functions of the keys will be as follows:

key	Description
[>o<]	End setting mode and return the scale to weighing mode.
[T]	Chose value in a circle from 0 to 9.
[F]	Chose digit in a circle from left to right.
[On/off]	Confirm the choice and step forward to next step in a circle of over and under value.

6.3 Set over and under value

In setting mode, if the cursor over is lit, the over value can be set. Press key [F] some times to chose digit you want, the chosen digit will blink, then press key [T] to change to value of this digit to what you want, use the same way to set all digits and get the right over value, finally press [On/off] to confirm the over value and step forwards to under value setting. The way to set under value is same as over value. When setting is finish, press [>o<] key to return the scale to the weighing mode.

For example: 3kg scale, the over value is 505g, under value is 500g:

The procedures	display show	Lit cursor
1) Press [F] to access to setting mode	[0.000]	over
2) Press [F]	[0.000]	over
3) Press [T] 5 times	[0.500]	over
4) Press [F] twice	[0.500]	over
5) Press [T] 5 times	[0.505]	over
6) Press [ON/OFF] to set under value	[0.000]	under
7) Press [F]	[0.000]	under
8) Press [T] 5 times	[0.500]	under
9) Press [on/off] to set over value	[0.505]	over
10) Press [>0<] to be back to weighing mode	[0.000]	

The digit in grey shadow mean this digit is blinking.

6.4 Operation

When over and under value exists, beep will be available as a sound indication, the possible mode will be as follows:

Weight	S3 is 0	S3 is 1	S3 is 2	Lit cursor
> over value	No beep	No beep	beep	over
< under value	No beep	No beep	beep	Under
<= over value and >=under value	No beep	beep	No beep	Over and under
Over value=under value =0*	No beep	No beep	No beep	

*When both over and under values are 0, over and under indication function is disabled.

7 Batteries

7.1 Battery type

To rechargeable version, Cub II can use one 6V/5Ah lead-acid rechargeable battery.
To D-cell version, Cub II LCD version can use 6 1# d-cells. Always make sure that all six batteries have the same capacity. Please contact your authorized dealer for more information.

7.2 Replace battery

1） Put the scale on the side as left;
2） Open the holder of the battery by s unscrew the screws on the battery holder cover on back of the scale;
3） Remove the fixing plate by screw driver;
4） Disconnect the wire from the battery power poles and remove the battery;
5） Connect wire with power poles of new battery. Notice that red wire with positive pole (+), black wire with negative pole (-).
6） Put the fixing board back;
7） Put the cover back with more care about the sealing ring, be sure the ring is in the free mode and right place to assure a good sealing result.

7.3 Charge the Rechargeable lead-acid battery

The scale can charge the lead-acid battery (6V/5Ah) as follow:

1) remove the rubber plug which is to seal the hole where the power connector is.

2) connect the output end of the adapter to the power connector to initiate charging no matter the scale is turned on or not.

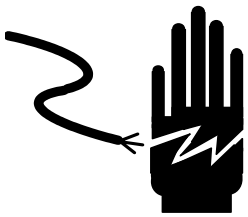
3) put the rubber plug back to seal the hole to avoid erosion of the power connector when the scale is in the wet environment.

Note: please charge battery in the dry environment.

There are two battery cursors, one is , and the other is to indication the battery situation. Please refer to section "Cursor" for detail.

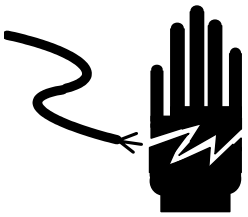
If the unit is plugged into the wall outlet when battery power is used, the power source will automatically switch to the wall transformer. And when the AC power is off, power source will automatically switch to battery.

8 Service and Maintenance



⚠ WARNING

ONLY PERMIT QUALIFIED PERSONNEL TO SERVICE THIS EQUIPMENT. EXERCISE CARE WHEN MAKING CHECKS, TESTS AND ADJUSTMENTS THAT MUST BE MADE WITH POWER ON. FAILING TO OBSERVE THESE PRECAUTIONS CAN RESULT IN BODILY HARM.



⚠ WARNING

DISCONNECT ALL POWER TO THIS UNIT BEFORE SERVICING OR CLEANING.

This chapter provides information on servicing and maintaining the CUB II scale including:

- ☞ Cleaning and regular maintenance
- ☞ Troubleshooting

8.1 Cleaning and Regular Maintenance

8.2 Daily Maintenance

DO NOT allow untrained personnel to operate, clean, inspect, maintain, service, or tamper with this equipment.
DO NOT attempt to remove the cover or perform service or maintenance on the internal parts of the scale.
ALWAYS DISCONNECT this equipment from the power source before cleaning or performing maintenance.
KEEP the scale clean.
DO NOT put the scale in the water, but you may use watery cloth to clean the scale.
DO NOT put the scale upside down or remove the scale by holding the spider as left.
DO NOT turn the 2 feet on the back tightly to let the air flowing between inside and outsi
But please turn these 2 feet tightly until seal the gap between the foot and base to void w
you want to wash down the scale with water.
PLUG the rubber plug in the hole with power connector (DC) tightly to protect the power

How to move scale?

8.3 Battery Notice ⚠

- The battery (6V/5Ah rechargeable lead-acid battery) service life will be affected by the charge and discharge conditions. When used properly, it can withstand 300 cycles;
- The new battery can provided 50 hours work after fully charged. The charge time normally is 15 hours if the battery is discharged fully. The charge time will be shorter if the battery is not discharge fully. It is commended to charge the battery every day.
- Don Not short the positive pole (+) and negative pole (-) when replace the battery.
- Charge the battery at least every 3 months to keep battery in good condition.
- The work hours of the battery is shorter than normally if the battery is not used for a long time (e.g. more than 2 months). At this time, please cycle battery at least 3 times by charging it and using it until fully discharged to make the battery recover to normal condition.
- Put back the rubber plug after charge is finished to protect the power connector.

- The battery is not warranted due to its service time is greatly influenced by individual.
- The work hour will become shorter many months later. It is not a problem of the battery, it is the feature of the rechargeable battery.

8.4 Troubleshooting

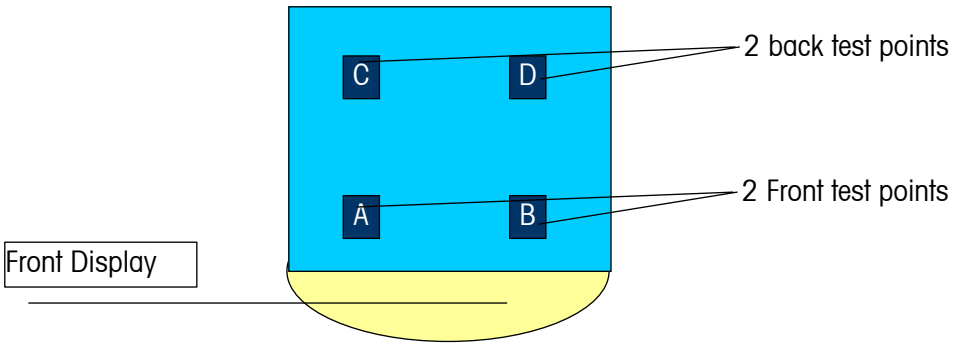
Error Codes and Action

The following table lists CUB II's error messages, descriptions, and corrective actions.

E 11	RAM error	METTLER TOLEDO Service
E 16	ROM error	
E 18	EEPROM error	
E 48	Alarm setup error	
ERROR	software running error	
------	Unsteadily or can't find zero	
nnnnn in weight window	Weight is more than full capacity plus 9e	Remove items from platter
uuuuu in weight display	can not capture zero	Remove items from platter or calibrate the scale

8.5 Shift Adjustment

After new load cell is installed, it is required to adjust the shift. To Cub II, the shift adjustment is very sepcial. It reguires that under 30000 expanded display mode, put weight , 1/3 of the full capacity, on the 4 shift test points respectively, the displayed data on the 2 back points should be 5~7 more digidts than the 2 front points.



For Exaple:

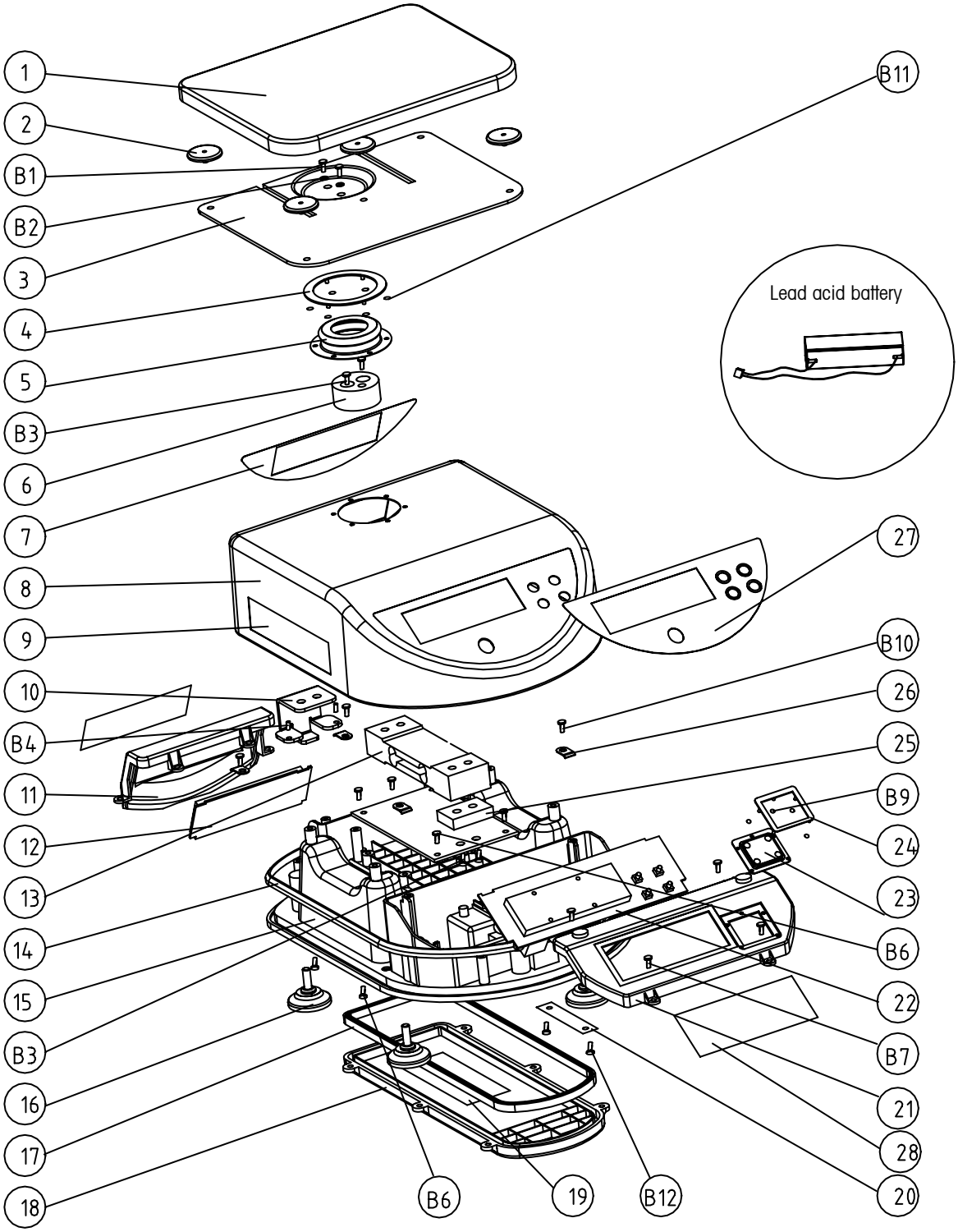
When 1/3 of full capacity weight is put on the point A, the display data is 10000, it requires that when the same weight is put on the other test points, the displayed data should be 10000 at point A and B, about 10006 at point C and D.

9 Parts and Accessories

Please refer to the following diagram and chart when ordering parts for the CUB II scale.

9.1 Explosion diagram

9.2



Part List - CUB II

B12	118549	Sealing screw M4X8	2	
B11	134428	Nut GB6170 M3-S.S	6	
B10	152668	Self-driving screw ST 3.5X8.5	4	
B9	102618	Nut GB6170 M2-Zn.D	5	
B7	132545	Self-driving screw GB845 ST4X15	8	
B6	115097	Screw GB818 M4X8-S.S	14	
B4	124073	Screw M4X12-S.S	2	
B3	132389	Screw GB70 M6X12-S.S	4	
B2	102663	Grower washer GB93 6	2	
B1	132627	Screw GB70 M6X20-S.S	2	
	154596	Overlay, customer , LED, CUB-II		
27	152310	Overlay, customer , LCD, CUB-II	1	Lb/oz/g USA
26	149397	Maintaining washer plate, main PCB TIGER-II	4	
	155273	Pillar washer, down side of load cell 1.5Kg ,CUB-II	1	1.5Kg
25	152298	Pillar washer, down side of load cell,3/6/15kg, CUB-II	1	3Kg 6Kg 15kg
24	152303	Packing ring, SS, key CUB-II	1	
23	156437	Sealing rubber mat, key CUB-II	1	
	170615	Subassembly, main PCB LCD, painted CH, light, CUB-II	1	LCD
22	170008	Subassembly, main PCB LED, glued, CUB-II	1	LED
21	152294	Cover, housing of main PCB CUB-II	1	
20	156481	Cover, calibration CUB-II	1	
19	134997	Sponge mat RN00	1	
18	152293	Cover, battery holder CUB-II	1	
17	152499	Rubber sealing ring, battery holder CUB-II	1	
16	155540	Foot CUB-II	4	
15	152291	Base CUB-II	1	
14	156438	Rubber sealing ring for base, CUB-II	1	
	132246	Load cell MT1022-3.5kg (WOA)	1	
	132247	Load cell AMI6.5kg (WOA)	1	
	134510	Load cell AMI15kg (WOA)	1	
13	134509	Load cell AMI30kg (WOA)	1	
	170617	PCB Subassembly, back display, light, painted, CUB-II	1	LCD
12	170008	PCB Subassembly, back display LED, glued, CUB-II	1	LED
11	152295	Cover, housing of back display CUB-II	1	
10	153673	Plate, stop loading CUB-II	1	
9	119043	Data plate	1	
8	155626	Up cover CUB-II	1	
7	170310	Overlay, customer display CUB-II	1	
6	156571	Transferring pillar washer, plastic, CUB-II	1	
5	152308	Super thin rubber ring CUB-II	1	
4	152301	Packing washer, for thin rubber ring CUB-II	1	
3	152300	Up spider CUB-II	1	
2	152296	Rubber mat, platter CUB-II	5	
1	152302	Platter CUB-II	1	
ID	P/N	Description	Quantity	Remark

Mettler-Toledo
01/2005