WATERPRO OF

ELECTRONIC

WEIGHING/COUNTING

SCALE

USER'S MANUAL

PREFACE

THANK YOU FOR USING OUR A1-E/C SERIES WATERPROOF ELECTRONIC WEIGHING/COUNTING SCALE, THE HOUSING IS FULL STAINLESS STEEL, MP IS LED DISPLAY，MP-C IS LCD DISPLAY.

THE SCALE IS WATERPROOF ELECTRONIC SCALE, MANUFACTURED WITH ADVANCES COMPUTER-CONTROLLED HI-TECHNIQUES. DUE TO MANY MEASURES TAKEN IN THE WATERPROOF AND MOISTURE-PROOF, ESPECIALLY THE LOAD CELL PARTS UNIQUE TO OUR COMPANY, A SERIES OF TREATMENTS HAVE BEEN CARRIED OUT ON THE ANTI-CORROSION AND ANTI-OVERLOAD OF THE LOAD CELL, WHICH GREATLY IMPROVES THE LIFE OF THE LOAD CELL.IT HAS THE CHARACTERISTICS OF SATISFACTORY IN PERFORMANCE ACCURATE IN WEIGHING, CONVENIENT FOR CARRYING, CHEAP IN PRICE. IT IS STURDY AND DURABLE AND WIDELY USED IN NOT ONLY RETAIL STORES AND WEIGHING OF RATION PACKING OF COMMODITIES BUT ALSO IN HIGH HUMIDITY SURROUNDINGS BECAUSE OF IT'S WELL WATERPROOF FUNCTION.

PLEASE READ THE MANUAL BEFORE USING.

1 MAIN TECHNICAL INDEX

    1.1BASIC DATA

MODEL	MP600 – MP3					
MAX. CAPACITY	300G	600G	1500G	3000G	6000G	15000G
MINI. CAPACITY	20E					
TEST DIVISION E	0.1G	0.2G	0.5G	1G	2G	5G
DISPLAY DIVISION D1	0.05G	0.1G	0.2G	0.5G	1G	2G
DISPLAY DIVISION D2	0.02G	0.05G	0.1G	0.2G	0.5G	1G
DISPLAY DIVISION D3	0.01G	0.02G	0.05G	0.1G	0.2G	0.5G
MAX. TARE	100%					
ZERO RANGE	<3%					
ACCURACY	Ⓘ					
PLATE SIZE	17.6×22.2 CM					

1.2WORKING TEMPERATURE：-10~+40℃

1.3STORAGE TEMPERATURE：-25~50℃

1.4POWER：6V2.3AH SEALED LEAD ACID RECHARGEABLE BATTERY，CHARGE THE BATTERY WITH THE BUILT-IN CHARGER

1.5N.W.： 2.9KG/PC

1.6PACKING： 4PCS/CTN，14KG，58×33×32CM^3

2KEYBOARD AND CHARACTER PROMPT
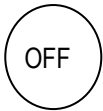

2.1KEYBOARD

(ON/ZERO) TURNS THE SCALE ON AND ZERO.

(TARE) TARE KEY.

(OFF) POWER OFF.

(SET0~9) SET/FIG. KEY. SET PARAMETER AND INPUT FIG.

2.2 CHARACTER PROMPT

DC X.XX: MEAN THE VOLTAGE OF BATTERY IS X.XX V.

------: SHOW THIS AS THE WEIGHT OVER 100%FS+9E, WITH THE DING SOUNDING, THIS MEANS OVER LOAD, REDUCE THE WEIGHT.

P-OFF：LOW VOLTAGE, AUTO POWER OFF

Err-0：OVERLOAD ZERO. PLEASE TURN ON AND REDUCE TARE WEIGHT.

Err01：ADJUST SWITCH IS OFF WHEN CALIBRATING

Err02：COUNTING SAMPLE WEIGHT IS TOO SMALL

Err03：ONE POINT CALIBRATE, WEIGHT IS TOO SMALL

Err08：CHIP ERROR

C _END: RECHARGE IS END.

3OPERATION GUIDE

3.1ADJUST THE BASE FOOT, WATCH THE LEVEL, MAKE THE SCALE IN HORIZONTAL.

3.2TURN ON OR TURN OFF
3.2.1TURN ON

PRESS THE [ON/ZERO] KEY, THE DING SOUND, IT DISPLAYS VERSION NO. AND THE BATTERY VOLTAGE LEVEL AND 9,8,7···1,0, THE "ZERO" LAMP LIGHTING. NOW THE SCALE IS IN A WORKING STATE.

3.2.2TURN OFF

PRESS [OFF] KEY.

3.2.3AUTO-OFF

WHEN POWER AUTO OFF IS SET,AFTER 10 MINUTES IN ZEROING, AUTO-OFF.

(SEE 3.9.3)

3.2.4LOW VOLTAGE AUTO-OFF

WHEN THE VOLTAGE LOWER THAN 5.6V, THEN POWER-OFF.

3.3ZERO

WHEN WITHOUT TARING THE WEIGHT DISPLAY IS ≤3% MAX. CAPA., PRESS THE [ON/ZERO] KEY, THE DISPLAY SHOWS " 0 ", THE ZERO LAMP LIGHTING.

3.4WEIGHING

PUT WEIGHT TO PAN.

3.5TARE WEIGHING

PLACE ONE CONTAINER ON PLATE, PRESS THE [TARE] KEY, THE WEIGHT DISPLAY IS " 0 ", THE "ZERO" LAMP OFF, THE "TARE" LAMP LIGHTING. PICK UP THE CONTAINER, THE WEIGHT DISPLAY IS NEGATIVE, THE "ZERO" LAMP LIGHTING, PRESS THE [TARE] KEY, THE "TARE" LAMP OFF.

3.6SAVE POWER FUNCTION

ZERO AFTER 40 SECONDS, AUTO SAVE POWER, SHOWS " 0 ". PUT A WEIGHT START WEIGHING

3.7BATTERY LAMP

"HIGH" MEANS VOLTAGE HIGHER THAN 6.3V, "MID" MEANS VOLTAGE BETWEEN 6V AND 6.3V, "LOW" MEANS VOLTAGE LOWER THAN 6V.

3.8CHARGE

POWER SUPPLIED BY A INTERNAL RECHARGEABLE LEAD ACID BATTERY (6V/2.3AH). WHEN IT SHOWS "-BATLO-". PLEASE TURN OFF AND CHARGE IMMEDIATELY. THE TIME OF FULL CHARGING IS 12 HOURS. (NEED NOT TURN ON WHEN CHARGING)

3.9SET AND USE PARAMETER

PRESS <SET/0~9>3 SECONDS , ENTER SET AND SHOW MAIN MENU ,

PRESS <SET/0~9> CONTINUOUS , IT DISPLAYS :

RANGE(SET LIMIT)

UNITS(CHOOSE UNIT)

A-OFF（CHOOSE AUTO POWER OFF）

FILT(SET DISPLAY MODE)

ZERO(SET AUTO ZERO)

BUZZLE(SET BUZZLE)

D(CHOOSE DIVISION)

LU-(BRIGHTNESS ADJUSTING)

LU-(LED BRIGHTNESS ADJUSTING)

BL（LCD BACKLIGHT）

ON-RA(CHOOSE RANGE OF POWER ON)

PRESS [SET(0~9)]TO CHOOSE，PRESS [TARE]TO CONFIRM

3.9.1 RANGE(SET UPPER AND LOW LIMIT)

3.9.1.1WHEN IT SHOWS RANGE， PRESS <TARE> ENTER TO SET LIMIT，PRESS <SET/0~9> TO CHOOSE ON OR OFF, ON IS START LIMIT FUNCTION，OFF IS EXIT LIMIT FUNCTION，PRESS <TARE> TO CONFIRM.

3.9.1.2WHEN CHOOSE ON AND PRESS <TARE>，NOW ENTER TO SET LIMIT，"UNDER" LAMP IS LIGHTING，MAX FIGURE IS BLINKING，PRESS<SET/0~9> ONCE TO ADD 1，PRESS <TARE> TO CONFIRM，WHEN FINISHING AUTO EXIT AND SET "OVER"(SAME AS SET UNDER LIMIT).AFTER FINISH SETTING INTO WEIGHING.

3.9.1.3WHEN LOW LIMIT > HIGH LIMIT, IT DISPLAYS OFF, THEN EXIT.

3.9.1.4ALARMING INDICATE:M IS THE WEIGHT

WHEN M≥HIGH LIMIT, "OVER" LAMP IS LIGHTING AND FLICKERING.

WHEN LOW LIMIT < M < HIGH LIMIT，"ACCEPT" LAMP IS LIGHTING(NOT FLICKERING).

WHEN M≤LOW LIMIT, "UNDER" LAMP IS LIGHTING.

CAUTION：WHEN THE DISPLAY IS NOT STABILIZATION, NO LAMP LIGHTS.

3.9.2 UNITS(CHANGE UNIT)

3.9.2.1WHEN IT DISPLAYS UNITS，PRESS <TARE> TO ENTER，PRESS <SET/0~9> TO CHANGE，PRESS <TARE> TO CONFIRM. UNITS：H9(KG)、9（G）、PCS（COUNTING）、LB.LB(DECIMAL POUNDS)、LB.OZ(BRITISH POUNDS. OUNCES)

3.9.2.2COUNTING：WHEN IT DISPLAYS "PCS", PRESS<TARE>. NOW "PCS" LAMP LIGHTING. LONGTIME PRESS<ON/ZERO>， IT DISPLAYS COUNT AND RETURN TO 0. THEN PUT THE SAMPLE (AS MUCH AS POSSIBLE, BUT DON'T MORE THAN MAX.CAPACITY), AFTER STABLE， PRESS<TARE>. PRESS <SET/0~9> TO ADD 1 AND PRESS<TARE>TO CHOOSE. AFTER FINISHING IT DISPLAY PCS AND PCS LAMP LIGHTING.

EXIT COUNTING: CHOOSE A UNIT.

CAUTION: PICK QUANTITIES OF MAX LESS 30000

3.9.3 A-OFF（CHOOSE AUTO POWER OFF）

WHEN IT DISPLAYS A-OFF，PRESS <TARE> TO ENTER，PRESS <SET/0~9> TO CHOOSE N OR Y, N IS NOT IN AUTO POWER OFF SITUATION，Y IS AFTER 10 MINUTES IN ZEROING, AUTO-OFF.

3.9.4 FILT(SET DISPLAY MODE)

WHEN IT DISPLAYS FILT，PRESS <TARE>TO ENTER，PRESS <SET/0~9> TO CHOOSE FILT-1 OR FILT-2 OR FILT-3 OR FILT-4，PRESS <TARE>TO CONFIRM.

FILT-1：SINGLE ANIMAL SCALE FUNCTION，AFTER PLACE WEIGHT，WEIGHT LOCKED IN SEVERAL SECONDS ,SUITABLE FOR ONE ANIMAL, CAN NOT USE FOR TRADE SETTLEMENT

FILT-2：MANY ANIMALS SCALE FUNCTION，AFTER PLACE WEIGHT，IT SHOWS VERY SLOWLY，SUITABLE FOR MANY ANIMALS

FILT-3：WHEN ADD WEIGHT TO SCALE, IT WILL SHOW FAST.（SUGGESTION）

FILT-4：WHEN ADD WEIGHT TO SCALE, IT WILL SHOW MORE FASTER.

3.9.5 ZERO(SET AUTO ZERO RANGE)

WHEN IT DISPLAYS ZERO，PRESS <TARE>TO ENTER，IT DISPLAYS Z X.X(X.X IS AUTO ZERO RANGE.IT IS EXPRESSED BY THE TEST DIVISION VALUE E. IT IS SUITABLE FOR THE WEIGHING PROCESS, THE UNLOADING IS NOT COMPLETE, AND THE NEXT WEIGHING IS AUTOMATICALLY ZERO). PRESS <SET/0~9> TO CHOOSE 0.0, 0.5,1.0,1.5,2.0,2.5,3.0,3.5,4.0,4.5 AND 5.0)，PRESS <TARE> TO CONFIRM AND RETURN WEIGHING.

3.9.6 BUZZER(SET BUZZLE IN UPPER AND LOWER LIMIT SITUATION)

WHEN IT DISPLAYS BUZZER ,PRESS <TARE> TO ENTER ,PRESS <SET/0~9> TO CHOOSE ON OR OFF, ON IS USING "DING…" SOUND IN UPPER AND LOWER LIMIT SITUATION，OFF IS WITHOUT "DING…" SOUND.

3.9.7 D(CHOOSE DIVISION)

WHEN IT DISPLAYS D，PRESS <TARE> TO ENTER，PRESS <SET/0~9> TO CHOOSE DIVISION，PRESS <TARE> TO CONFIRM，THERE HAVE 4 DIVISIONS OF EACH CAPACITY. WHEN YOU CHOOSE THE LITTLE ONE, THE SPEED OF DISPLAY WILL BE SLOWER.

3.9.8 LU-(BRIGHTNESS ADJUSTING. FOR A1-E)

WHEN IT DISPLAYS LU-, PRESS <TARE> TO ENTER，PRESS <SET/0~9> TO CHOOSE，LU-1 IS LOWER BRIGHTNESS(SUGGESTION)，LU-2 IS HIGHER BRIGHTNESS，PRESS <TARE> TO CONFIRM.

BL(BACKLIGHT，FOR A1-C)

WHEN IT DISPLAYS BL，PRESS <TARE> TO ENTER，PRESS <SET/0~9> TO CHOOSE ,AUTO IS AUTO BACKLIGHT，CLOSE IS WITHOUT BACKLIGHT，OPEN IS CONSTANTLY BRIGHT，

PRESS <TARE> TO CONFIRM.

3.9.9 ON-RA(CHOOSE RANGE OF POWER ON)

WHEN MENU DISPLAYS ON-RA，PRESS [TARE] TO ENTER，PRESS [SET/0~9] TO CHOOSE 15 OR 100, 15 MEANS CAN TURN ON WITHIN 15% MAX. CAPACITY， 100 IS 100% CAPACITY. PRESS [TARE] TO CONFIRM. IF YOU CHOOSE 15, WHILE TURN ON AND THE ZETO IS MORE THAN 15% MAX. CAPACITY,IT WILL SHOW ERR-0 AND "DING..." SOUND. PLEASE PICK UP THE WEIGHT.(IT CAN ALSO OCCUR WHEN THE LOAD CELL IS STRESSED)

4 NOTES

4.1 NORMAL NOTE

4.1.1 PLEASE READ THE INSTRUCTION MANUAL BEFORE USAGE.

4.1.2 PLEASE CALIBRATE SCALE REGULARLY.

4.1.3 DO NOT OVERLOADING. DO NOT THROW HEAVY THINGS ON THE SCALE VIOLENTLY. THE DAMAGE FOR OVERLOADING IS NOT WITHIN THE RANGE OF GUARANTEED MAINTENANCE.

4.1.4 DON'T TOUCH CHEMICALS SUCH LIKE SOLVENT, ETC.

4.1.5 KEEP THE SCALE CLEAN IN ORDER TO WEIGHING WELL.

4.1.6 THERE IS A LEAD SEAL ON THE BOTTOM OF THE SCALE. USERS ARE NOT ALLOWED TO REMOVE THE SEAL. IF THE SEAL IS DAMAGED THE SCALE IS NOT GUARANTEED FOR MAINTENANCE.

4.2 FOR SEALED LEAD ACID BATTERY

4.2.1 THE WORKING TEMPERATURE OF BATTERY IS -10℃~+40℃. IT CAN BE CIRCLE CHARGED ABOUT 300 TIMES AT 20℃.

4.2.2 PLEASE CORRECTLY CONNECT LINE BETWEEN ADAPTER AND BATTERY, BLACK TO BLACK, RED TO RED.

4.2.3 PLEASE CHARGE IN TIME. IF YOU DON'T USE IT IN A LONG TIME, PLEASE

CHARGE AT LEAST EVERY 3 MONTHS.

4.2.4 IF THE USING TIME OF BATTEY BECOMES SHORT, PLEASE CHANGE NEW ONE.

4.2.5 IT HAS A ONE MONTH GUAANTEE.

5 ADJUSTMENT

1.PUSH THE ADJUST KEY TO SWITCH ON, THE SWITCH IS ON THE BOTTOM OF THE SCALE, LOCKED WITH A SEAL .PRESS 【ON/ZERO】 KEY, AFTER A WHILE START TO ADJUST；

IF SHOW ERR01,ADJUST SWITCH IS OFF

2.PRESS 【SET/0~9】 AND 【ON/ZERO】 KEY THE SAME TIME, CHOOSE WEIGHING UNITS-KG, LB OR COUNTING FUNCTION, PRESS 【TARE】 TO CONFIRM. IF DON'T CHOOSE LB, PRESS 【SET/0~9】, IT DISPLAYS PCSH9, PRESS 【TARE】 TO CONFIRM. THEN THE DISPLAY SHOWS "C". "C" IS THE MAX. CAPACITY, PRESS 【SET/0~9】 TO CHOOSE C-300,C-600,C-1500,C-3000,C-6000,C-15000, AND PRESS 【TARE】 TO CONFIRM；

3. NOW IT DISPLAYS 1P(ONE POINT CALIBRATION) OR 3P(THREE POINTS CALIBRATION)，PRESS SET/(0~9)】TO CHOOSE 1P OR 3P，PRESS 【TARE】 TO CONFIRM

A. 3P: IT DISPLAYS 1/3 MAX CAPACITY(FOR EXAMPLE 3000G, IT WILL SHOW 1000 OF 3000G SCALE), THEN DISPLAY 0. (IF IS NOT 0, PRESS 【ON/ZERO】)；

PUT THE DISPLAYED WEIGHTS ON THE CENTRE OF THE PLAT, AFTER IT SHOWS STABLE, PRESS THE 【TARE】, IT SHOWS 2/3 MAX CAPACITY(FOR EXAMPLE, IT WILL SHOW 2000 OF 3000G SCALE). THEN PUT THE DISPLAYED WEIGHT IT DISPLAYS MAX CAPACITY, PUT THE DISPLAYED WEIGHT. PRESS 【TARE】.

NOW IT SHOWS C-0, "C" IS FLASHING. NOW CHANGE GRAVITY. PRESS 【ON/ZERO】 TO ADD 1 INTERNAL NUMBER, PRESS 【SET/0~9】 TO REDUCE 1 INTERNAL NUMBER, CAN PRESS 【SET/0~9】 3 SECONDS TO ADD UP AND THEN PRESS 【SET/0~9】 TO STOP . 60000 INTERNAL NUMBER MEANS THE MAX. CAPACITY. PRESS 【TARE】, IT SHOWS CAEND, EXIT ADJUSTMENT. （DON'T NEED CHANGE GRAVITY FOR LOCAL USAGE, PRESS 【TARE】.

B. 1P: （ONE POINT CALIBRATION）,PRESS 【TARE】，IT DISPLAYS 0，PLACE A WEIGHTS（NOTE：THE WEIGHTS SHOULD HEAVY THAN 15% MAX. CAPACITY, OTHERWISE IT WILL SHOW ERR-03 AND REFUSE TO CALIBRATE），IT SHOWS A INTERNAL NUMBER，AFTER STABLE，PRESS【TARE】，PROMPT THE WEIGHT OF THIS WEIGHTS(NOTE THE DECIMAL PLACE)，THE TOP

DIGIT IS FLASHING，IF YOU WANT TO CHANGE，PRESS【SET/(0~9)】TO ADD 1，PRESS【TARE】TO CHOOSE，ENTER TO THE NEXT DIGIT, THE SAME WAY TO CHOOSE，AFTER CHOOSING ALL THE DIGITS, IT SHOWS C- 0,C IS FLASHING，CHANGE GRAVITY（SAME AS A），PRESS 【TARE】, IT SHOWS CAEND， EXIT ADJUSTMENT.