

CE Declaration of Conformity	
Manufacturer	Avery Weigh-Tronix
Type	Brecknell MS20

Corresponds to the requirements of the following EC directives

Electro Magnetic Compatibility Directive Low Voltage Directive	2004/108/EC 2006/95/EC
The application harmonised standards are:	EN60950-1:2006+A1:2009 EN61000-6-1:2007 EN61000-6-3:2007

A copy of the original signed declaration for this instrument is available from the below UK address:

Electromagnetic Compatibility Statement for North America

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a residential installation. This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

Re-orient or relocate the receiving antenna.

Increase the separation between the equipment and the receiver.

Connect the equipment to an outlet different from that to which the receiver is connected.

Consult the dealer or an experienced radio / TV technician for help.

Brecknell USA
1000 Armstrong Drive
Fairmont, MN 56031
Tel: 507-238-8702
Fax: 507-238-8271
Email: sales@brecknellscales.com
<http://www.brecknellscales.com>

Brecknell UK
Foundry Lane,
Smethwick, West Midlands
England B66 2LP
Tel: +44 (0) 845 246 6717
Fax: +44 (0) 845 246 6717
Email: sales@brecknellscales.co.uk
<http://www.brecknellscales.co.uk>



USER'S MANUAL

Model MS-20

● **SETTING UP YOUR MS-20 SCALE**

To insure that your scale operates correctly, position the scale on a level sturdy worktop.

The display head can be either attached to the wall or positioned in front of the scale.

Pull down feet on back of display head enable the operator to change the viewing angle of the display head.

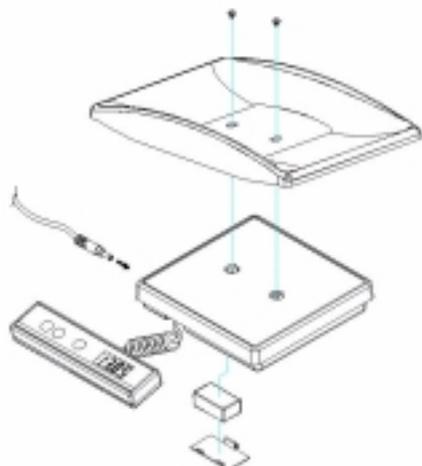
Any excess cable can be stored in the cavity on the underside of the display head.

● **POWER SUPPLY**

The MS-20 uses 9V alkaline battery or 9V 100mA AC adapter.

CAUTION: always connect the AC adapter to the MS-20 before connecting to the mains power supply.

Disconnect from the mains power supply before disconnecting the adapter from the MS-20



● **KEY FUNCTION**



ON/TARE OFF -

- (1) Press once to switch scale on.
- (2) Press while scale is switched on to re-zero the scale.
- (3) Press and hold this key for 2 seconds to switch scale off. Scale will auto shut-off if not used after 120 seconds



UNIT -

Selects between kg mode and lb mode.



HOLD -

When pressed the displayed weight will be held on the display once the weight becomes stable.

By repressing the Hold key again will release the held display and allow the scale to return back to normal weighing mode.

● **CALIBRATION PROCEDURE**

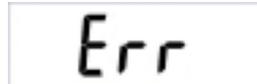
- 1) With the scale switched off, press and hold the "ON/OFF/TARE" key, without releasing press the kg/lb key three times and then release.
- 2) Display will show zero (500 ~ 4000).
- 3) Press "ON/OFF/TARE" key once.
- 4) Display will show "CAL" and then "0".
- 5) Load 20kg weight onto the scale.
- 6) Display will show span count (1250 ~ 3750)
- 7) Press "ON/OFF/TARE" key again.
- 8) Display will show "CAL" and then "20.00kg".
- 9) Remove the weight from the scale and the calibration is finished

● **ERROR MESSAGES**

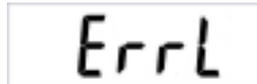
1. Low Battery



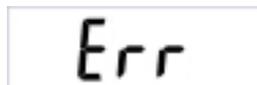
2. High zero counts



3. Low zero count



4. Overload



● **SPECIFICATIONS**

Model #	MS-20
Maximum Capacity	44 lb / 20 kg
Readability	½ oz / 10 g
Weight units	lb / kg
Power supply	9V alkaline battery or 9V 100mA AC adapter
Dimensions	20" x 12" x 2 ½" / 505mm x 300mm x 65 mm
Display	1.0" LCD display with 4 active digits
Tray	Plastic top cover
Operating Temperature	5°C ~ 35°C
Function keys	ON/TARE/OFF, UNIT, HOLD