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ELECTRONIC SCALE MOD. VT30/60- VT1- VT2

User Manual



Read this manual carefully before using the instrument



VT30 / 60



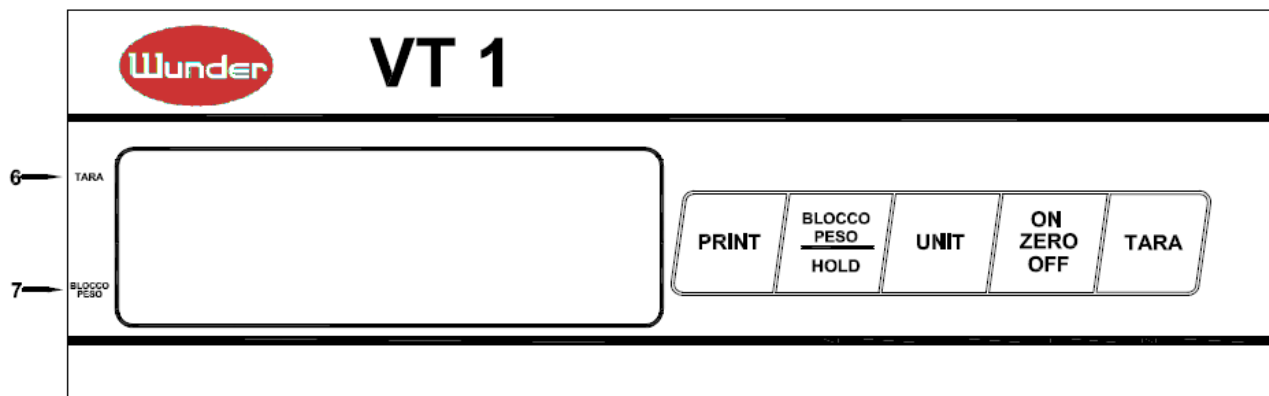
VT1



VT2

- Verify that the input voltage printed on the AC Adapter and the plug type matches the local AC power supply.
- Make sure that the power cord does not pose a potential obstacle or tripping hazard.
- Disconnect the scale from the power supply when cleaning the scale.
- Do not operate the scale in hazardous or unstable environments.
- Do not immerse the scale in water or other liquids.
- Do not drop loads on the platform.
- Use only approved accessories and peripherals, as available.
- Operate the scale only under ambient conditions specified in these instructions.
- Service should be performed by authorized personnel only.
- It must not be bump against other items or overloaded with excessively heavy weights (The load must not exceed the maximum capacity of the balance).
- Give a warm-up for 30mins before using the scale.

KEY FUNCTION



1. **ON/ZERO/OFF**: Turn the scale on, zero or off. (The scale will zero when the weight in 20% of maximum capacity).
2. **TARA**: Set the display to zero by storing the current weight in the tare memory.
3. **UNIT**: Select weight unit – kilograms, lb, and oz.
4. **HOLD**: Temporarily memory the weight. Place an item to be weighed on the platform. Press HOLD key, the arrow of the left bottom will blink. The display shows the measured weight. After removing the item, the display still shows the weight. Press HOLD or TARE button to disable HOLD function.
5. **PRINT**: Press this key to print weight value.
6. Net LCD indicator
7. Hold LCD indicator

CALIBRATION

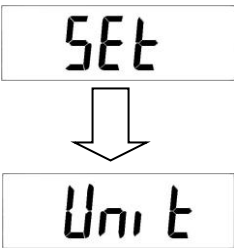



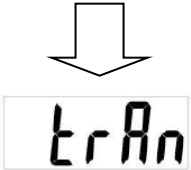

The process of calibration as follows:

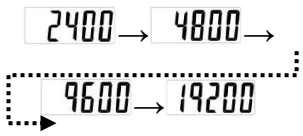
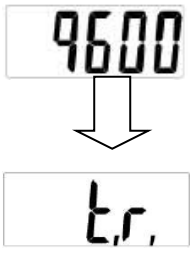

- 1) Press and hold ON/ZERO/OFF key, and then press UNIT key 3 times, display show zero count.
- 2) Press TARE key, display shows “0”.
- 3) Press UNIT key to select calibration weight unit (kg/lb)
- 4) Load calibration weight. (10kg for VT15, 20kg for VT30, 40kg for VT60/VT1 60kg, 100kg for VT1 150kg,

200kg for VT2)

- 5) Display shows span count.
- 6) Press TARE key, display shows "CAL", and then shows calibration weight. (ex: for VT2 will show 200.0kg)
- 7) Remove weight from platform when calibration is finished.
- 8) Re-power on, the instrument is in normal mode.

SETUP RS232 AND BAUD RATE

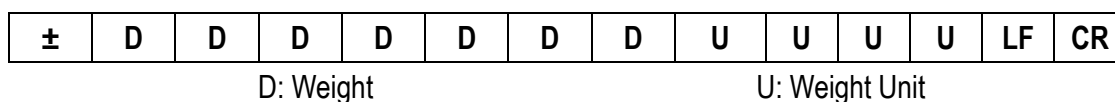
Operation	Display
When the scale is switched on, hold the TARE key pressed for about 3 seconds until the display shows successively the "set" and "Unit" symbols.	
SETUP RS232 FUNCTION	
Press UNIT key until the display shows "tran".	
Press HOLD key once.	
Press UNIT key to select on or off.	
Press HOLD key to setup transmission.	
SETUP BAUD RATE	
Press UNIT key once the display shows "tr".	

<p>Press HOLD key once to setup baud rate.</p> <p>Press UNIT key to select baud rate.</p>	
<p>Press HOLD key to setup baud rate.</p>	
<p>Press UNIT key repeatedly until the END symbol is display.</p>	
<p>Press HOLD key finished setup auto off time.</p>	

PARAMETERS RS232 INTERFACE

Set parameters of the scale interface on the connected device. It is not possible to change the scale parameters.

- ◆ Type: EIA-RS232
- ◆ RS232 Half-duplex asynchronous transmission interface
- ◆ Baud rate: 2400/4800/9600/19200 bps
- ◆ Parity check: N
- ◆ Data bits: 8 bits
- ◆ Stop bits: 1 bit
- ◆ Data code: ASCII



Format of date Communication:

16Byte, blank communication<20H><STX><Status><+/-><D><D><D><D><D><D><D><U><U><U><U><D>

Description of date Communication:

1. STX: Start of Transmission=02H
2. +/-: += (2BH) = Positive weight,-= (2DH) = Negat weight

3. DDDDDDD: Value of weight, 7 ASCII Code
4. UUUUUU: Weight unit (kg, lb, oz, st), 5 ASCII Code
5. LF: 07
6. CR: 0D
7. ETX: stop of transmission=03H

For instance:

Err: Transmit 16 Byte

<Sattus>="<STX><X><E><r><r><20H><20H><X>.....<EXT>100.02kg:<STX><P><+><20H><1><0><0><.><0><2><20H><20H><

ERROR MESSAGE

LOW	This warning shows that the voltage of battery is too low to use. Please replace new batteries or plug the AC adaptor for operation.
ERR	Overload or counting error (too high): The loading is over limit when power on, please reduce the loading and try again. If the trouble still exists, please call your local service partner.
ERRL	Counting error (too low): The loading is lower than limit when power on, please increase the loading and try again. If the trouble still exists please call your local service partner.
ERRE	EEPROM Error: The program of the scale has error, please call your local service partner.

CONFORMITY

<p>ELECTRONIC SCALE MODEL VT30-60-VT1-VT2 SERIAL N°.....</p>
<p>We hereby certify that this instrument has been inspected and has successfully passed the functional test. It complies with the following standards and directives:</p> <p style="text-align: center;">2014/30/UE LOW VOLTAGE 2014/35/UE</p>