Electro-Magnetic Compatibility (EMC)

This product complies with Council Directive 89/336/EEC when installed and used in accordance with the relevant instructions.

Service and Technical Support

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User Guide

Bale Wrap Computer

Operation

Software Ref: WZ312-002

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1. Introduction

The instrument has 6 channel functions with an illuminated 4 digit LCD display, 5 switches to control all functions and an internal alarm. An external alarm is optional.

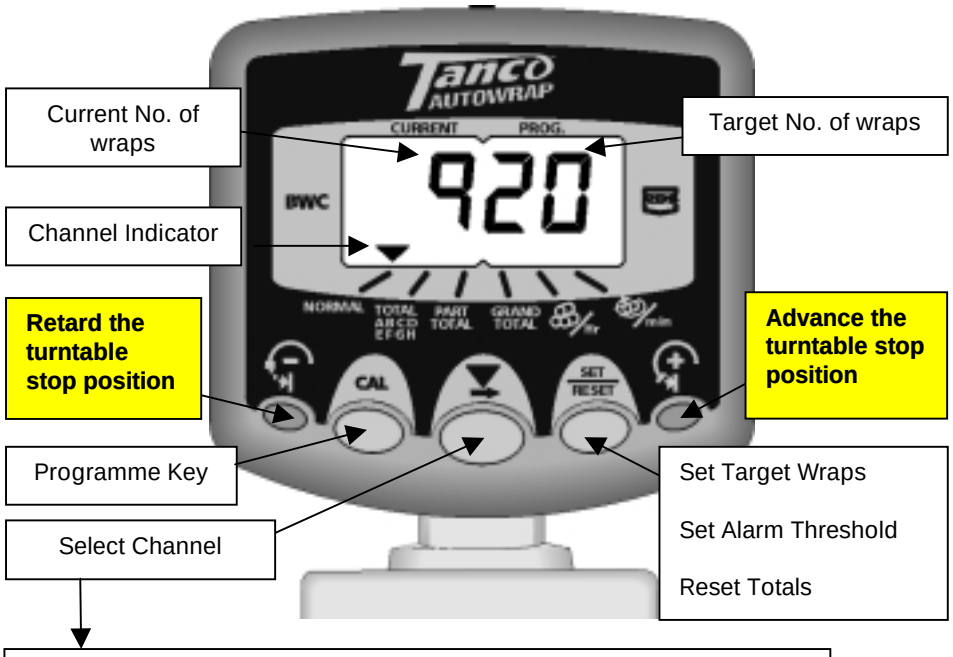
The instrument is normally powered on via the vehicle ignition circuit and recalls the function displayed when the instrument was last used.

What can it do ?

- Continuously displays the current number of wraps around the bale alongside the desired (Target) number of wraps preset by the operator.
- Sounds an alarm at a preset number of wraps before the target number is reached.
- Automatically senses when the bale wrap sequence ends and records it to each of these memory registers:
  (i) Grand Total
  (ii) Part Total
  (iii) One of eight selectable Store Totals
- Displays the number of bales wrapped per hour, within any desired time period.
- Displays bale wrapping speed in rpm, and sounds an alarm when a preset speed is exceeded.
- Film break alarm and automatic stop.
- Adjustable turntable stop position.

2. The Control Switches

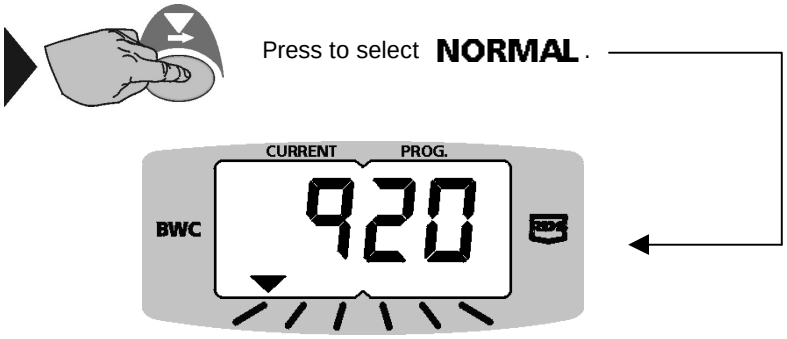
There are five switches on the front panel used individually or in combination to programme, set/reset or select a function.



Channel 1	NORMAL	'Normal' display (Current/Target no. of Wraps)
Channel 2	TOTAL A B C D E F G H	Store Totals (A – H)
Channel 3	PART TOTAL	Part Total
Channel 4	GRAND TOTAL	Grand Total
Channel 5	/hr	Bale Wrapping Rate
Channel 6	/min	Bale Wrapping Speed

3. Using the Instrument

3.1 Channel 1 - Current/Target Wraps Display



The left-hand section shows the current number of wraps and the right hand section shows the target number.

When the current number = Target number, the alarm will sound for 2 seconds and the display will flash. (If set, the early warning alarm sounds beforehand).

Automatic reset of current number to zero normally occurs 5 seconds after the Target number is reached. If additional wraps are added after the Target number is reached, the current number will continue to advance.

3.1.1 Manually reset Current No. of Wraps to Zero

Press to select **NORMAL** .

Press and hold.

3.1.2 Programme the Target Wraps

Press to select **NORMAL** .

Hold continuously.

The third digit flashes.

Hold to cycle to the required digit then release, otherwise press once…

The fourth digit flashes.

Hold to cycle to the required digit.

Release all.

3.1.3 Programme Early Warning Alarm

An early warning alarm can be programmed to sound from 1 to 9 wraps before the target number is reached. Depending on the setting, the alarm will sound long beeps for up to 8 wraps, short beeps for the final wrap, and then a continuous beep for three seconds.

For example, if the bale requires 22 wraps and you want an alarm at 20 wraps, then set the number to 2.

To effectively disable the alarm, set the number to 0.

Press to select

.

Hold continuously.

The fourth digit flashes.

Hold to cycle to the required digit.

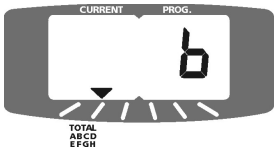
Release all.

3.2 Channel 2 - Store Totals

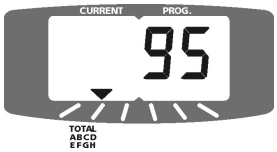
When bale wrap is complete, one of eight pre-selected memory store totals **A**, **b**, **C**, **d**, **E**, **F**, **G**, or **H,** is automatically advanced by 1. Store totals can be reset individually.

3.2.1 Display a Store Total

Press to select TOTAL ABCD EFGH .



The fourth digit displays the current store designation for 2 seconds.

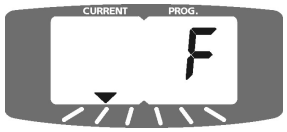


The current total for that store then displays for five seconds, then defaults to channel 1.

3.2.2 Select a Store Total

Press to select TOTAL ABCD EFGH .

Select the desired store total (A – H).



This is now the default store, and subsequent bale counts are stored there until another store is selected.

3.2.3 Reset a Store Total

Press to select TOTAL ABCD EFGH .

Select the desired store total (A – H).

Press and hold.

3.3 Channel 3 – Part Total

When the bale wrap is complete, the part total is automatically advanced by 1. The part total can be reset at any time

3.3.1 Display Part Total

Press to select PART TOTAL .

Part total displays for 5 seconds then defaults to channel 1.

3.3.2 Reset Part Total

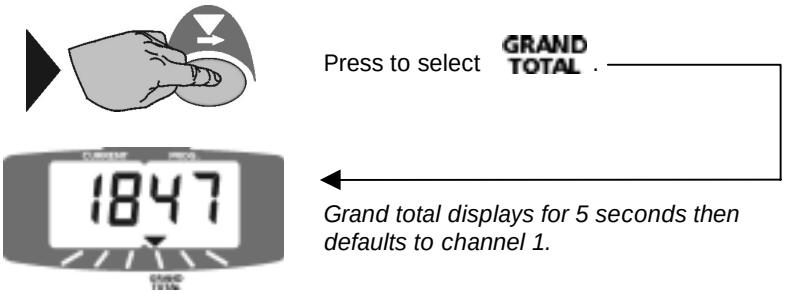
Press to select PART TOTAL .

Press and hold for 5 seconds.

3.4 Channel 4 - Grand Total

When the bale wrap is complete, the grand total is automatically advanced by 1. The grand total cannot be reset.

3.4.1 Display Grand Total



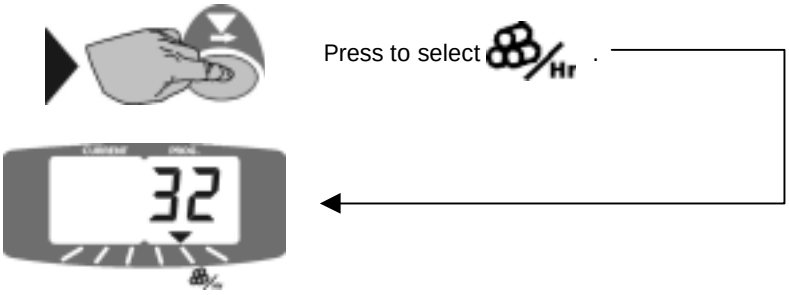
Press to select GRAND TOTAL .

Grand total displays for 5 seconds then defaults to channel 1.

3.5 Channel 5 - Bale Wrapping Rate

Displays number of bales wrapped per hour. The time period over which the rate is averaged may be re-started at any time.

3.5.1 Display Bale Wrapping Rate



Press to select /Hr .

3.5.2 Reset Timing Period

Press to select

.

Press and hold for 5 seconds.

3.6 Channel 6 - Bale Wrapping Speed

Displays instantaneous r.p.m. of the bale wrapper at 3 second intervals in the range 10-99 r.p.m. An overspeed alarm will sound if the r.p.m. exceeds a pre-programmable limit. The display will default to this channel and flash for the duration of the overspeeding, subsequently reverting to the 'current/target wraps' display.

3.6.1 Display Bale Wrapping Speed

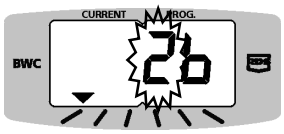
Press to select

.

3.6.2 Programme the Overspeed Alarm

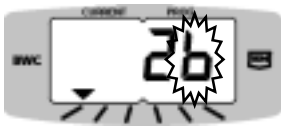
Switch power on while pressed.

Release.



The third digit flashes.

Hold to cycle to the desired digit, then release, otherwise press once…



The fourth digit flashes.

Hold to cycle to the required digit.

Release all.

3.7 Film Break Alarm

If the film should break, after 1 second the display will show “StOP”, the alarm will sound and the turntable stops.

The film break alarm is only operational above a wrapping speed of 15rpm.

3.8 Total Reset

If for some reason the data in the instrument is corrupted or the display shows '**PrOg**' then the instrument must be totally reset.

1. Switch power off.
2. Press and hold all 3 control switches.
3. Switch power on.
4. Release all switches.

All instrument settings should be returned to the factory-set values. If the display shows '**PrOg**' again, the instrument may be faulty and must be returned to the manufacturer for inspection and repair.

3.9 Other CAL Mode Settings

Cut and Start Release duration

Switch the power on while pressing and holding the

button to enter Cal Mode 2.

Press the

button to select channel 2.

The default time is 3 seconds. Press /Hold the button to change the setting.

Film Break Sensor – On/Off

Enter Cal Mode 2 as above.

Press the

button to cycle to channel 3.

Press the

button to toggle on/off.

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