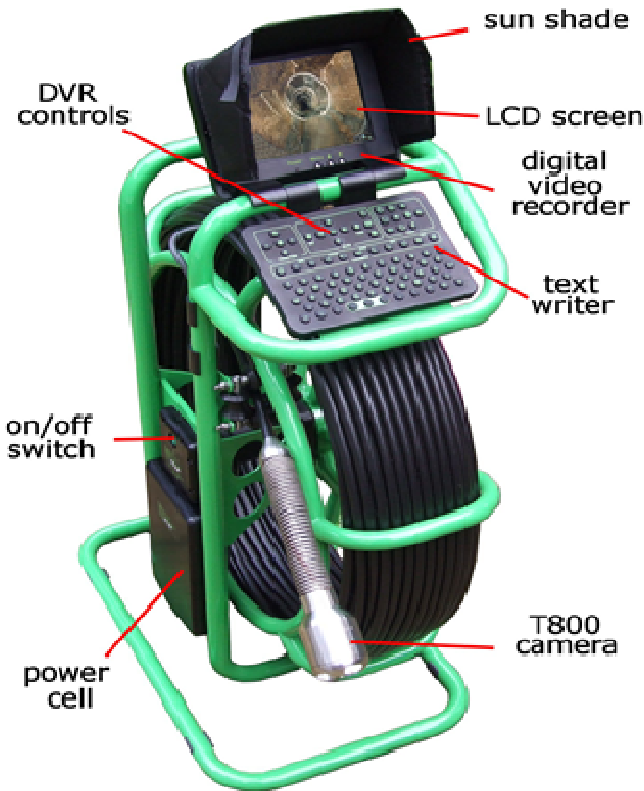# T804 TEXTWRITER – OPERATING INSTRUCTIONS


Your new T804 digital Text Writer

The T804 Text Writer is an advanced low-power 9-page text-insertion unit. The Text Writer is a designed specifically for the T804 and has advanced features to allow quick entry of text and the ability to display Time, Date and Rod-Counter information with single key-presses. All information is stored in flash memory and each key-press is saved whilst typing meaning that no information is lost even when the T804's Power Cell is exhausted.

This Operating Manual contains a 'Quick Start Guide' to get you working quickly and has separate sections for the most-used functions. Please read the manual fully before operating your digital Text Writer.

QUICK START GUIDE

The Text Writer always starts with Rod-Counter, Time, Date and the text from Page 1 displayed.
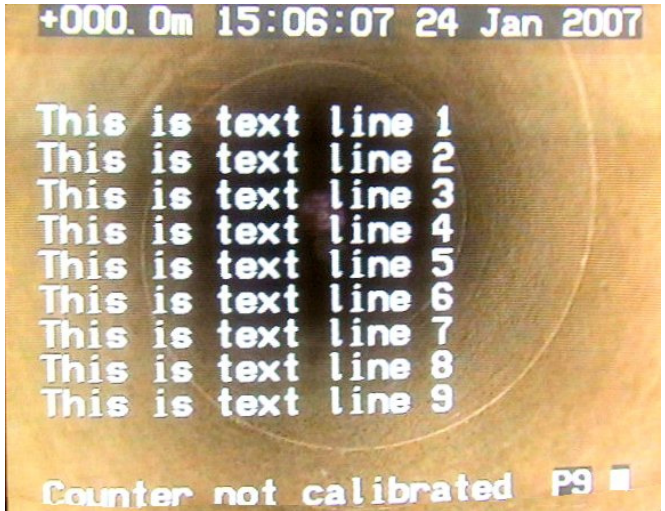
Use the 'Display Rod Counter' button to display or hide the Rod Counter information.
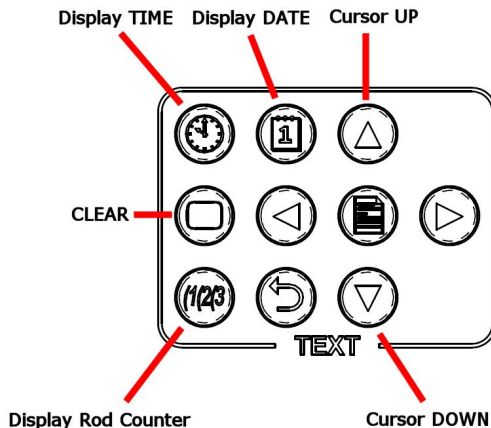
Use the 'Display TIME' button to display or hide the Time information.

Use the 'Display DATE' button to display or hide the Date information.

Use the 'Cursor UP' and 'Cursor DOWN' keys to select which page of text is displayed.

If no text is required, use the 'CLEAR' key to hide the text. Pressing 'CLEAR' again will display the text.
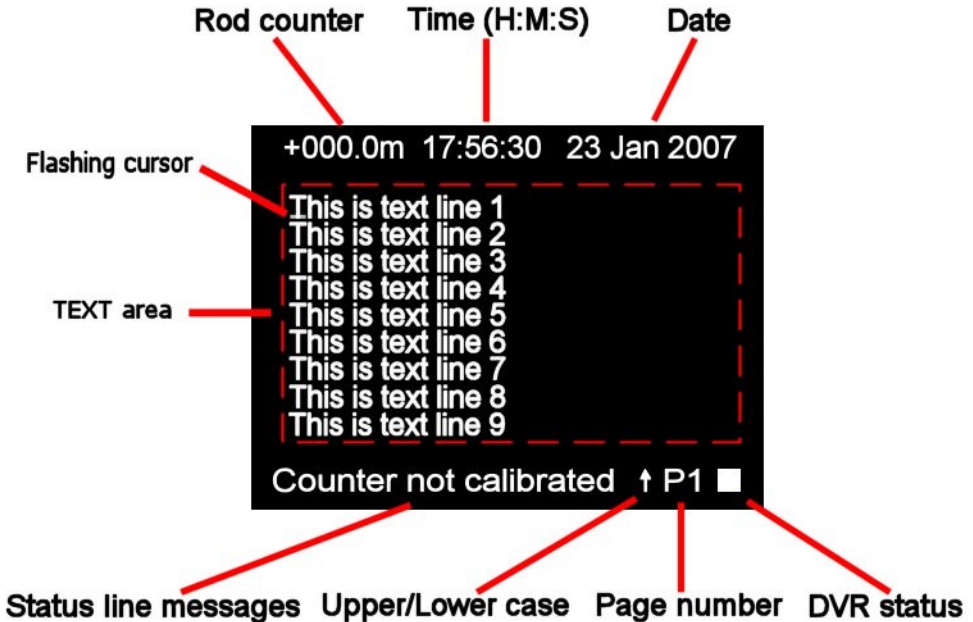
You are now ready to survey if no text editing is required.

THE TEXT WRITER DISPLAY – COUNTER, TIME AND DATE

Below are the elements that make up the screen picture from the T804:

The '**Status line messages**' area is used for giving the operator information such as that shown above. Calibration of the Rod Counter is explained in the main T804 operator's manual. This area is also used to send messages to the operator when using the Text Writer.

The 'Rod Counter', 'Time' and 'Date' can be displayed or hidden using the

keys. These toggle the display. The position of these displays is fixed and cannot be altered, they always appear on the top line in the same order.

EDITING TEXT – CHOOSING A PAGE TO DISPLAY AND EDIT

The 'EDIT' key : is used when text needs to be altered. This button toggles between

EDIT and VIEW mode. If the Text Writer text was hidden using the 'CLEAR' key then the text will be automatically displayed again.

When the Text Writer is in **EDIT mode** the 'Upper case/Lower case' symbol appears at the bottom of the screen next to the Page number and the cursor will flash in the TEXT area. When the Text Writer is in the **VIEW mode** the 'Upper case/Lower case' symbol will disappear and the cursor will not be shown in the TEXT area. The

picture above shows that the Text Writer is in EDIT mode. If the Text Writer was in VIEW mode the 'Upper/Lower case' arrow would not be shown.
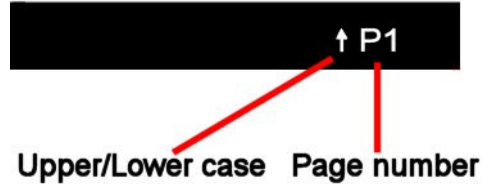
There are 9 pages that are available to display text. The pages are useful for storing text that is often used such as your Companies Name and Address. To display a certain page of text put the Text Writer in VIEW mode (Upper/Lower case symbol NOT displayed).

Pressing the button will increase the page number and display that page.

Pressing the button will decrease the page number and display that page.
Both buttons loop the page number, from 9 to 1 and from 1 to 9 respectively.

If no text needs to be displayed press the 'CLEAR' button, this will remove the text from the screen, it will also remove the 'Upper/Lower case' indicator and the Page Number display from the bottom of the screen.

Pressing the 'CLEAR' button again will display the text contained on the current page and the Page Number display on the bottom of the screen. The Text Writer will be in VIEW mode.

EDITING TEXT – TYPING TEXT ON THE SCREEN

To edit text first choose a PAGE you want to edit as explained in the previous section. Put the Text Writer in 'EDIT' mode as explained above, the 'Upper/Lower case symbol will be displayed in EDIT mode and the Page number will be displayed to the right of the symbol. You are ready to edit text.

Pressing any of the alphanumeric keys will now write to the screen. Each letter you type is automatically saved so if power is removed you will not lose any work. Below are the alphanumeric keys:
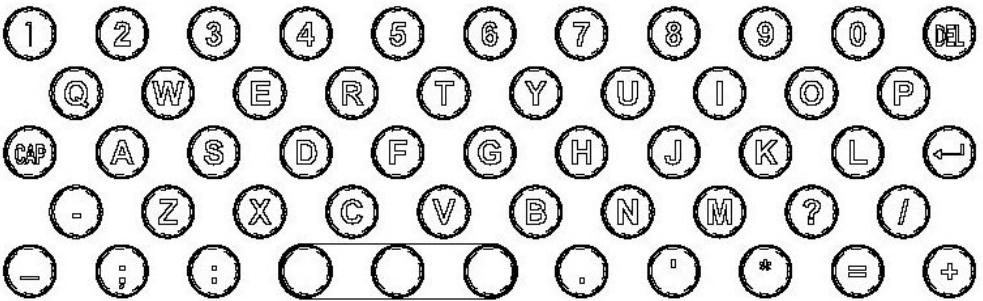
If you want to change to lower case press the (CAP) 'CAP' button once.

To create spaces press the (SPACE) 'SPACE' button.

If you want to jump to the next line press the (ENTER) 'ENTER' button.

Use the (down), (up), (left) and (right) cursor buttons to move the cursor around the screen. The cursor will jump from bottom to top, left to right and visa-versa when the extremes of the TEXT area are reached.

Press the (EDIT) 'EDIT' key to **remove the cursor from the screen** when you have finished typing to put the Text Writer in VIEW mode.

EDITING TEXT – DELETING CHARACTERS AND PAGES

To **delete single characters**, for instance when a mistake is made while typing, press

the 'DELETE' key while in EDIT mode. The DELETE key will delete the character that is displayed above the flashing cursor. As the cursor moves when a character is typed you will have to press the DELETE key twice, once to move the cursor back to the character and once again to delete that character. Each press of the DELETE key deletes the character above the cursor AND moves the cursor back by one position.

Use the , , and cursor buttons to move the cursor around the screen to select any character that needs deleting.

Whole pages of text can be deleted, for instance when a new survey is started and the page contains old information. To **delete a whole page of text** put the Text Writer in

VIEW mode (no 'Upper/Lower case' arrow displayed) and use the   buttons to display the page of text you want to delete.

Then press the key once. The lower part of the screen will now display the message 'DELETE PAGE? Y or N'. Pressing the 'Y' key will now delete the current page of text. Pressing any other key will NOT delete the page of text.

THE TEXT WRITER DISPLAY – DISPLAY MODES
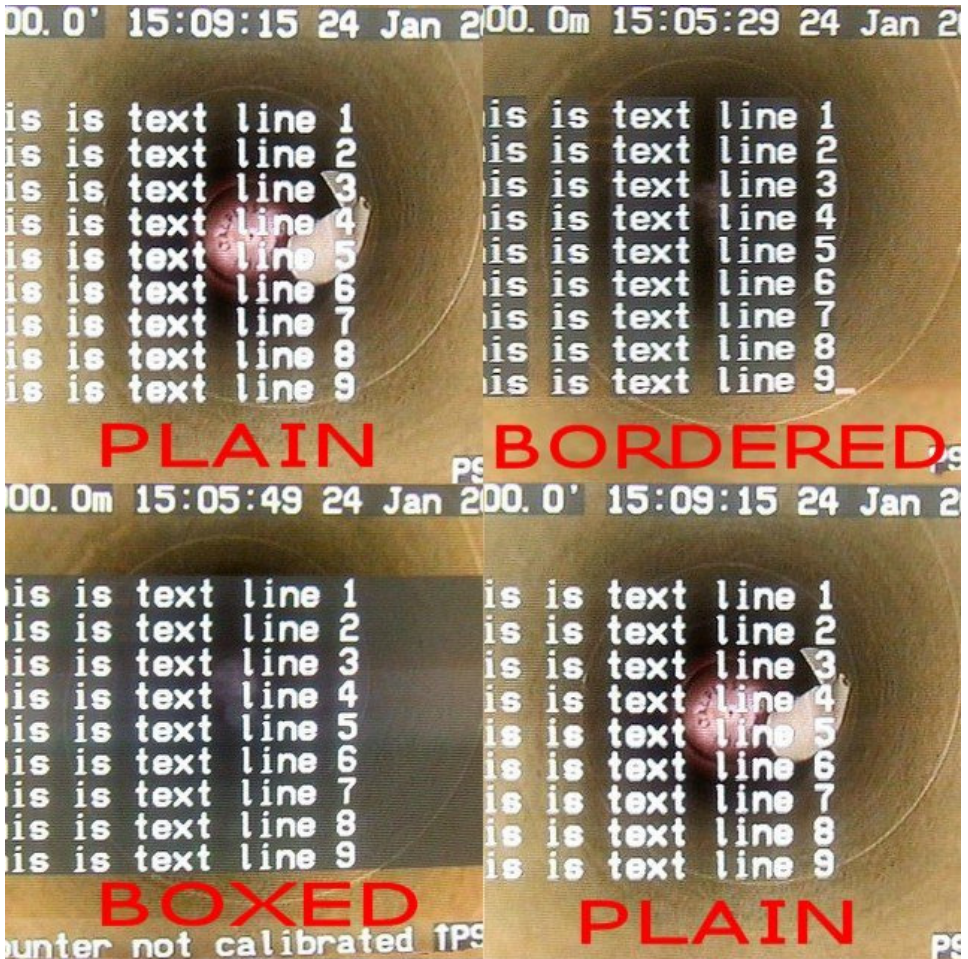
The Text Writer can display the TEXT area in three different modes as shown in the first three pictures.

To switch between the display modes, select **VIEW mode** using the ⬛ 'EDIT' key and then use the ◁ ▷ keys to switch between the three modes. The display modes loop between PLAIN, BORDERED, BOXED and then back to PLAIN again

EDITING TEXT – THE CAPS BUTTON

On a standard QWERTY keyboard there is a 'Caps Lock' button and a 'Shift' button for writing upper case and lower case text. The T804 Text Writer simplifies the keyboard layout by removing the need for the 'Shift' key.

Standard Survey text is written in upper case text as the norm. The T804 Text Writer always starts in upper case mode and there is little need to use the 'CAP' key. However, sometimes the text information looks better if the start of a word is capitalized and the rest of the word (or line of text) is in lower case.
The T804 Text Writer simplifies this by enabling the 'CAP' key to work as a 'Shift' key in certain situations.

To use the Text Writer in this way select 'lower case characters' by pressing the 'CAP' key once so that the 'Upper/Lower case' arrow points downwards (lower case mode). You can now use the 'CAP' key like a 'Shift' key on a normal QWERTY keyboard. Holding down the 'CAP' key while pressing a letter key will capitalize the letter being typed. Once the 'CAP' key is released the typing will revert to lower case again. This speeds up standard typing as it does not require the upper case / lower case mode to be continually toggled.

SETTING THE TIME AND DATE

 The Time and Date are automatically updated and in normal use should not need changing, the clock-calendar system is aware of Leap Years and will adjust the date accordingly. However, some Countries employ Daylight Saving, in which case the Time will need to be changed and as the T804 is shipped worldwide, the date may need changing as well.

To set the Time and Date press the 'CHANGE' key once.

The Hours display will turn black and the TEXT area will be cleared. The HOURS value can now be changed, use the buttons to increase or decrease the hours value.

Once the HOURS are correct press the 'CHANGE' key once, this locks the new value. The MINUTES value can now be changed.

Use the same procedure for MINUTES, DAYS, MONTHS and YEARS.

A final press of the 'CHANGE' key will display the text again.

ROD COUNTER

The T804 Rod Counter is a computer-controlled hub counter utilising magnetic sensors. It has better accuracy, reliability and resolution compared with the standard IR types.

After the T804 is switched on the Rod Counter requires calibration. This is a simple process. Return all rod to the coiler so that the camera termination is against the Rod Guide. Press the Rod Counter Button for 3 seconds and the calibration message will change from 'Counter not calibrated' to 'Rod counter calibrated'.
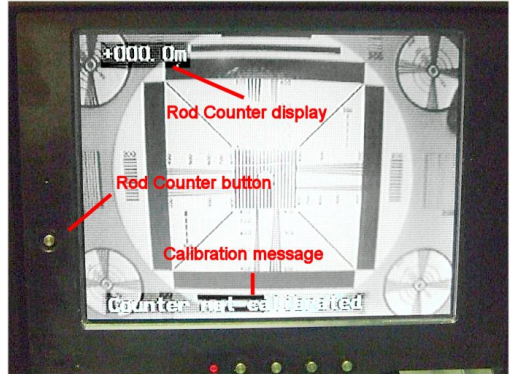
The Rod Counter can be run in Imperial mode (Feet and 10th's of Feet) or Metric (Metres and 10th's of Metres) by pressing the 'C' button when the Textwriter is in VIEW mode. Each press of the button toggles the display between '+000.0m' and '0.000''.

If a relative measurement needs to be made between two points during a survey, press the Rod Counter button for less than 2 seconds. This will zero the counter. The Rod Counter will now count up or down from the point where the button was pressed to give a relative measurement. This does not affect the calibration as long as the button is pressed for less than 2 seconds.
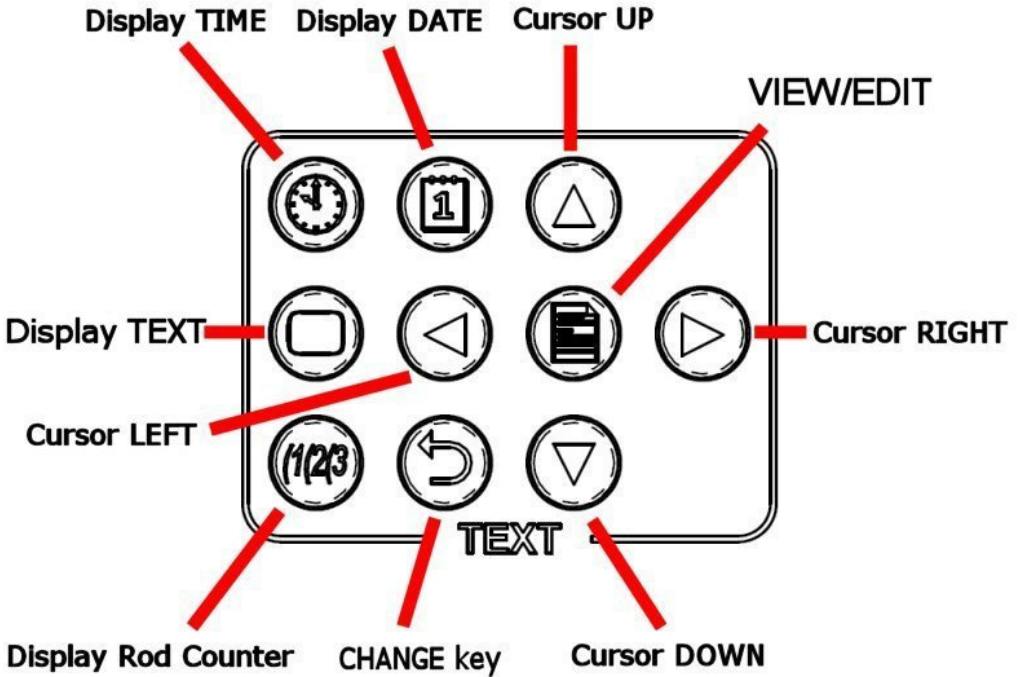
Making accurate measurements. As the Rod Counter relies on the rotation of the coiler it is important that the coiler brake is set correctly. When letting Rod out from the T804, the coiler may not rotate freely if the brake is set too fiercely. Ensure that the brake is set so that the coiler allows rod to be removed smoothly but does not allow the coiler to free-wheel. Layering the rod neatly on the coiler increases the accuracy and is always good practice.

Measurements will not be accurate if the calibration routine is performed when the camera termination is not next to the Rod Guide. This does not have to be critically accurate; a leeway of a few inches is acceptable.

TEXT WRITER CONTROL KEYS – KEY OVERVIEW

TEXTWRITER CONTROL KEYS

Display TIME Display DATE Cursor UP

VIEW/EDIT

Display TEXT

Cursor LEFT

Cursor RIGHT

Display Rod Counter   CHANGE key   Cursor DOWN

TEXT

troglotech

sun shade

DVR controls

LCD screen

digital video recorder

text writer

on/off switch

power cell

T800 camera