

PosiTector[®] **UTG**

Ultrasonic Thickness Gage

i On-Gage Help Reference

Ayuda en el Medidor | On-Gerät-Hilfe | Aide sur l'instrumentation



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The Measure of Quality

Introduction

This Reference is a compilation of the On-Gage Help that is available on your PosiTector gage. To view these help items on the gage, enter the gage menu and touch the  icon or press the  button with the desired menu item selected.

For an overview of the use and operation of your instrument, refer to its included Instruction Manual or download a digital PDF at www.defelsko.com/manuals.

Update your gage to ensure your PosiTector includes these latest help references. Instructions are available at www.defelsko.com/updates.

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Memory

The PosiTector UTG Advanced has internal memory storage for recording measurement data. Stored measurements can be reviewed on-screen or accessed via computers, tablets and smart phones. Measurements are date and time-stamped. Store up to 250,000 readings in up to 1,000 batches.

The memory icon appears when the Gage is set to store measurement data.

Open

Select a previously created batch or sub-batch to open and make it the active batch. If it contains measurements, on-screen statistics will immediately reflect values calculated from this batch. The calibration setting (i.e. Cal 1) associated with this batch is also opened.

View

Use the Up or Down buttons to scroll through information, statistical summary, and a list of each reading in the currently opened batch. Press the center navigation button to exit.

Display

Choose between display options in the upper portion of the screen while taking measurements.

Shortcut:

Press the Up button to scroll through the display options.

NOTE:

The Display option appears only if a batch is currently open.

Annotate

Create meaningful batch names and enter notes directly on the Gage using a familiar onscreen QWERTY keyboard.

Either the touch screen or navigation buttons can be used to enter annotations.

Annotations can be synchronized with PosiSoft.net and the PosiTector App. They are included in PosiSoft USB Drive reports.

Print

Sends a statistical summary and individual measurements to the optional Bluetooth wireless printer.

NOTE:

To cancel printing, simultaneously press and hold the (-) and (+) buttons.

New Batch

Closes any currently opened batch and creates a new batch name using the lowest available number. For example, if only B1 and B3 exist, then B2 would be created and made the current batch. Each measurement will be displayed and stored into this new batch.

On screen statistics are immediately updated with each measurement. New batches are date and time stamped when they are created.

Shortcut: When a batch is open, press (+) to create a new batch

NOTE:

Remove the last reading from the current open batch by pressing (-).

Close

Stops the recording process, closes the current batch, and removes batch information from the display.

Delete

Removes a batch or sub-batch completely from memory. The name is deleted and all measurements are erased. Sub-batches can be deleted individually. To delete all related sub-batches, simply delete the top-level batch.

Batch Summary

Displays a summary of all stored batches with the Batch Name, Probe Type and Number of Readings listed for each batch.

Statistics

Menu option for configuring Statistics and HiLo Alarm modes.

Statistics

Statistics mode continually displays/updates average, standard deviation, min/max thickness and number of readings while measuring.

When selected, the statistics icon and statistical summary will appear on the display.

Ignore the last measurement by pressing the (-) button. Press (+) to clear statistics.

Clear

Clears all on-screen Statistics and HiLo tabulations.

HiLo Alarm

Allows the Gage to visibly and audibly alert the user when measurements exceed user-specified limits.

When HiLo Alarm is selected, the current Lo setting is displayed. Adjust using the (-) or (+) buttons. Select Next to accept this value. The current Hi setting is now displayed. Repeat to adjust the Hi setting.

Each measurement will be compared to the defined Hi and Lo limits. The Gage beeps if results are within those limits. A single low tone will sound if the reading is below the Lo limit, and a high tone if it is above the Hi limit. Press (+) to clear HiLo readings.

The Statistics icon will appear on the display.

Calibration Settings

Calibration, Verification and Adjustment

Three steps ensure best accuracy:

1. Calibration - typically performed by the manufacturer or a qualified lab. All probes include a Certificate of Calibration.
2. Verification of Accuracy - typically performed by the user on known reference standards such as calibration step blocks.
3. Adjustment - to a known thickness or sound velocity for the material to be measured.

Calibration

Calibration is the high-level, controlled and documented process of measuring traceable calibration standards over the full operating range of the probe, and verifying that the results are within the stated accuracy of the probe. Calibrations are performed by the manufacturer, their authorized agent, or by an accredited calibration laboratory in a controlled environment using a documented process.

Verification

Gage accuracy can and should be verified using known reference standards of the material to be tested. Verification is an accuracy check performed by the user using known reference standards. A successful verification requires the Gage to read within the combined accuracy of the Gage and the reference standards.

Adjustment

Adjustment, or Calibration Adjustment is the act of aligning the Gage's thickness readings to match that of a known reference sample.

Zero

PosiTector UTG probes must be zeroed after a reset and periodically during use. The Zero process compensates for probe wear and temperature. To maintain the best accuracy, perform a Zero when the ambient temperature changes.

1. Make sure the Gage is ON and the probe is wiped clean.
2. Apply a single drop of couplant onto the included zero block (PosiTector UTG CA only) or built-in zero plate located on the underside of the probe connector. DO NOT apply couplant directly onto the probe face.

3. Follow the on-screen prompts.
4. When complete, the Gage will double-beep and display dashed lines.

Material

If a known thickness of the material is not available, but the material is known, this quick adjustment allows the user to load one of several preprogrammed material velocities.

Cal Reset

Restores the gage back to factory calibration. The factory calibration icon will appear on the display.

2 Pt Adjust

A 2-Point adjustment allows for greater accuracy while simultaneously adjusting probe Zero.

Select two reference standards as close as possible in composition to the intended application. For best results, the thickness of the thicker reference standard should be equal to, or slightly greater than the thickest part to be measured. The thickness of the thinner reference standard should be equal to, or slightly less than the thinnest part to be measured.

1. Measure the thinner reference sample.
2. Lift the probe from the sample and adjust the display down (-) or up (+) to the known thickness.
3. When the expected thickness is reached, press the center navigation button.
4. Measure the thicker reference sample.
5. Lift the probe from the reference sample and adjust down (-) or up (+) to the known thickness.
6. Press the center navigation button to store the adjustment and exit.

Cal Lock

When checked, the Cal Lock icon appears and the current Cal Settings are locked to prevent further user adjustments. Uncheck to make further adjustments.

Velocity

If the sound velocity for the test material is known, the Gage can be adjusted to that specific sound velocity.

Adjust the display down (-) or up (+) to the desired velocity. Holding the (-) or (+) buttons increases the rate of change. Press the center navigation button when the desired velocity is reached.

Thickness

The most common method of adjustment is to measure a sample of known thickness. Select a reference standard of material as close as possible in composition to the intended application. For best results, the thickness of the reference standard should be equal to or slightly greater than the thickness of the part to be measured.

1. Apply a drop of couplant onto the reference standard.
2. Measure the reference standard.
3. Lift the probe and adjust down (-) or up (+) to match the reference thickness.
4. Press OK to store the adjustment and exit.

Setup

Set configuration options for the Gage.

Set Clock

All measurements are date and time stamped (24 hour format) when stored into memory. It is therefore important to keep both the date and time current using this menu option. Use the Up and Down buttons to scroll, and the (-) and (+) buttons to adjust value. The Gage's date and time can also be viewed in Gage Info and on top of the main menu.

NTP

Enables automatic time synchronization with a remote server over WiFi using the NTP (Network Time Protocol).

Enter a NTP Server address and TZ (Time Zone) details. The PosiTector uses POSIX format to set the time zone.

Eastern Time in the USA is input as the following:

EST5EDT4,M3.2.0,M11.1.0

From left to right:

- EST5 is the time zone name and offset from UTC
- EDT4 is the daylight savings time zone name and offset from UTC
- M3.2.0 is the start of EDT. 'M' specifies that the date will follow a 'Month.Week.Day' format. 3.2.0 is the third month, second week, first day (Sunday)
- M11.1.0 is the end of EDT. 'M' specifies that the date will follow a 'Month.Week.Day' format. 11.1.0 is the eleventh month, first week, first day (Sunday)

Detailed NTP instructions available at: www.defelsko.com/NTP

Reset

Restores factory settings and returns the Gage to a known condition. The following occurs:

All batches, stored datasets, batch names and screen captures are erased.

Calibration adjustments are returned to the Gage's factory settings. The factory calibration icon will appear on the display.

Menu settings are returned to the following:

Memory = OFF
Statistics Mode = OFF
HiLo Alarm = OFF
Min Scan = OFF
Reading Tick = ON
Auto Dim = ON
A Scan = OFF
B Scan = OFF
Cal Lock = ON
SE Mode = OFF
USB Stream = OFF
Display = None
SmartCouple = OFF
Bluetooth & Stream = OFF
BLE Keyboard = OFF
WiFi & Access Point = OFF
USB Keyboard & Stream = OFF

Perform a more thorough Hard Reset by powering down the Gage, waiting several seconds, then simultaneously holding both the center navigation and (+) buttons until the Reset symbol appears. This returns the instrument to a known, out-of-the-box condition. It performs the same function as a menu Reset with the addition of:

Bluetooth Pairing info is cleared. Menu settings are returned to the following status:

Units = Millimeter
Touch = ON
Flip Lock = OFF
Auto Sync .net = ON
Sound = Medium
Battery Type = Alkaline
Language = English
Backlight = Normal
Bluetooth Smart = OFF
USB Drive = ON

NOTE:

Date, Time and WiFi are not affected by either Reset.

Units

Converts the display from millimeters to inch and vice versa.

NOTE:

Switching units will turn off Statistics, HiLo Alarm, and closes Memory.

Min Scan

Normally, the PosiTector UTG continuously takes spot measurements while in contact with a surface. When the probe is lifted, the last reading will remain on the display. However, it is sometimes necessary to examine a larger region to locate the thinnest point.

When Min Scan is selected, the PosiTector UTG will take continuous readings and record min/max thicknesses when the probe is lifted from the surface – ideal for quick inspection over a large area.

During scanning operations, the probe can become physically decoupled, that is physically separated, from the material, either due to the rough and/or scaly surface of the material or due to user operation. Avoid this by using the Smart Couple feature.

Sensitivity^(PosiTector UTG C, CA and CX probes only)

By default, the gage is set to the highest sensitivity so that the minimum wall thickness, typically corresponding to ultrasonic reflections from the deepest corrosion pits in the back wall, is reported. Some metals or alloys with a grainy molecular structure may generate undesirable ultrasonic reflections from those grains, which can prevent the instrument from displaying the total wall thickness. For these applications, reduce the sensitivity until the total wall thickness is reliably displayed.

Battery Type

Selects the type of batteries used in the Gage from a choice of Alkaline, Lithium or NiMH (nickel-metal hydride rechargeable). The battery state indicator symbol is calibrated for the selected battery type. No damage will occur if the battery type used in the Gage does not match the selected battery type.

Sound

Adjusts the volume of built-in speaker (Off, Low, Medium, High).

SmartCouple

When selected, the probe, once coupled, will remain coupled until the (+) button is pressed. Eliminates unintentional decoupling.

During scanning operations, the probe can become decoupled (physically separated from the material), either due to the rough and/or scaly surface of the material or due to user operation.

When this happens, analysis of the material stops and statistics are displayed for only that portion of the surface to which the probe was coupled. If the probe re-couples on purpose or accidentally, statistical values are reset to zero, and a new measurement analysis session begins.

Due to the physical decoupling of the probe, the Gage may output two or more independent measurement sessions. If the intention was to measure the maximum and minimum thicknesses continuously, erroneous indications may result due to the physical decoupling of the probe from the material.

Smart Couple mode maintains a continuous measurement session regardless of whether the probe becomes physically decoupled from the material, and analyzes the thickness values of the material at all locations where the probe was coupled.

This mode of operation provides a number of advantages. For example, the user can make multiple passes between various points of a material to be measured, and not have to actively concentrate on ensuring that the probe is physically coupled to the material. The user can therefore focus on the material itself, rather than the instrument, or can focus more closely on the measurement results displayed on the display. In addition, it provides higher accuracy and faster scanning, since the user does not have to stop and record between different scanning operations. The user can deliberately lift the probe and scan a new area knowing that all results will be analyzed as if they were from one continuous scan.

Touch

Allows the touch screen functionality to be disabled. All gage functions can also be controlled using the navigation buttons.

A Scan

Displays a chart with the travel distance of the ultrasonic pulse on the x axis and the received pulse amplitude on the y axis.

PosiTector UTG M and UTG P probes provide two cursors (vertical green lines) which allow the user to measure the difference between echoes shown in the graphic display.

A-Scan Menu

Use the Up (move left) and Down (move right) buttons to navigate the menu.

Adjust Display Gain - Adjusts the A-Scan amplitude/sensitivity. Use the (-) and (+) buttons to decrease/increase gain.

Adjust Display Lo/Hi Range - Adjusts the minimum and maximum displayed range for the A-Scan. Use the (-) and (+) buttons to decrease/increase gain. Note: This does not change the instrument's measuring range.

Move Cursor - The Cursor allows for further analysis of the A-Scan. Use the (-) and (+) buttons to move the cursor along the A-Scan.

Save Screen Capture - Select the save icon to capture and save an image copy of the current display. The last 100 screen captures are stored in memory and can be accessed when connected to a computer. Alternatively, press and hold the (-) and (+) buttons simultaneously to capture any screen.

Backlight

Selects display brightness (Sun, Normal or Night). If Auto Dim is enabled (default), the display dim slightly after a period of no activity to conserve battery life. Press the Down button to brighten the display.

Flip Lock

Disables the Auto Rotate feature by locking the display in its current orientation.

SE Mode^(PosiTector UTG M probes only)

Switches from multiple-echo to single-echo mode:

- To increase the measurement range
- To obtain thickness measurements in circumstances where multiple-echo can not

B Scan

A display in which a cross sectional profile of the test material is represented.

B-Scan Menu

Use the Up (move left) and Down (move right) buttons to navigate the menu.

Adjust Display Lo/Hi Range - Adjusts the minimum and maximum displayed range for the B-Scan. Use the (-) and (+) buttons to decrease/increase gain. This does not alter the instrument's measuring range.

Clear Display - Select to clear the B-Scan display and start over.

Save Screen Capture - Select the save icon to capture and save an image copy of the current display. The last 100 screen captures are stored in memory and can be accessed when connected to a computer. Alternatively, press and hold the (-) and (+) buttons simultaneously to capture any screen.

Language

Converts displayed and printed words to the selected language.

Gage Info

Displays the model number and serial number, probe type and serial number, PosiSoft.net registration key, the amount of remaining memory for storage of readings, date and time, and software packages.

For security purposes, the registration key is required to add the Gage to your free PosiSoft.net account.

Reading Tick

When selected (default), the Gage will emit a tick sound every time the probe takes a measurement.

Connect

Configure communication and connection options for the Gage.

Bluetooth

Configure Bluetooth communication and connection options for the Gage.

Enabled

When Enabled, allows communication with a computer or smart device running the PosiTector App via auto-pairing Bluetooth Smart (BLE) wireless technology.

Bluetooth Setup

Setup options for Bluetooth input/output communication modes.

Input Devices

Displays the currently paired Bluetooth keyboard or barcode scanner. Use your external Bluetooth keyboard or barcode scanner to conveniently enter reading and batch annotations.

To add a new device, put your keyboard or barcode scanner into pairing mode, then press Next. Select your input device from the displayed list. Once connected, the gage will return to the main measurement screen. The Bluetooth input (keyboard) icon will be displayed indicating a successful connection.

Keyboard

BLE Keyboard mode communicates wirelessly with your computer by emulating keyboard keystrokes. When connected in this mode, PosiTector Advanced instruments will be recognized as a simple Bluetooth keyboard. Each reading is typed, followed by a carriage return (enter). This provides a simple way to capture readings as they are taken without any special software, drivers or complex setup.

For more information on BLE Keyboard mode visit: www.defelsko.com/connect

Power Off Time

By default, the PosiTector Advanced powers off after 5 minutes of inactivity. This power off time interval can be adjusted when connected wirelessly via Bluetooth Smart to help

maintain connectivity while measuring. The interval is user selectable in 5-minute increments up to a maximum of 60 minutes. Use the (-) and (+) buttons to adjust the interval time, then select Ok.

Send Batches

Transfers selected batches to the PosiTector App. Send Batches is useful when switching between devices, as only readings and batches that have yet to be synchronized with any smart device are synchronized automatically.

The Send Batches option is visible in the menu when the Gage is connected to a smart device running the PosiTector App.

Sync Batches

Select batches to flag them for synchronization to the PosiTector App. Sync Batches is useful when connecting a new device to a gage with pre-existing batches, since only batches created while Bluetooth Smart is enabled are automatically selected.

Selected batches are synchronized when the next reading is taken in a batch flagged for synchronization, or when the Sync Batches option is selected at the bottom of the list of selected batches.

NOTE:

If Bluetooth Smart is disabled, data from batches selected in the Sync Batches menu are held in a queue until communication with the PosiTector App is re-established.

Bluetooth Classic

Allows readings to be sent to a computer, optional printer or compatible device using Bluetooth wireless technology. Pairing required.

See www.defelsko.com/bluetooth

NOTE:

Bluetooth Classic is not compatible with the PosiTector App. Enable Bluetooth for use with the PosiTector App.

Pairing

The instrument and receiving device must be paired before readings can be transmitted.

For pairing instructions, see www.defelsko.com/bluetooth

Enabled

Allows readings to be sent to a computer, optional printer or compatible device using Bluetooth Classic wireless technology. Pairing required.

Stream

Stream individual readings to a USB connected computer via a serial protocol. Ideal for use with serial compatible SPC data collection software.

See www.defelsko.com/update

Info

Lists information about your current Bluetooth connection, including the currently paired device and MAC address.

Smart Probes

Displays available PosiTector DPM-L and PosiTector CMM-IS Smart Probes within range of the PosiTector gage. Smart Probes must be powered ON to be visible.

Shortcut:

Check the Shortcut box to add the Smart Probes menu option to the gage's main menu.

USB

Connect the Gage to a PC/Mac using the supplied USB-C cable. View and print readings and graphs with universal web browsers/file explorers or using PosiSoft Desktop.

NOTE:

While connected, power is supplied through the included USB-C cable. The batteries are not used and the body will not automatically power down.

Sync.net Now

When selected, the Gage immediately synchronizes stored measurement data to PosiSoft.net (USB connection required to a computer running PosiSoft Desktop).

Alternatively, select Auto Sync.net from within the USB connect menu to automatically synchronize upon connection to a PC. Additional measurements added to memory while connected are synchronized only when the USB cable is disconnected and reconnected, or when the Sync.net Now option is selected.

NOTE:

PosiSoft Desktop is required when using USB connections to synchronize measurements with PosiSoft.net.

USB Drive

When USB Drive is enabled, the PosiTector is recognized as a USB mass storage device which provides a simple interface to retrieve stored data in a manner similar to USB flash drives and digital cameras. USB Drive is also required to import stored measurements into PosiSoft Desktop. Once connected, any computer can view measurements stored in memory by navigating a virtual drive labeled PosiTector using the supplied USB-C cable.

NOTE:

While connected, power is supplied through the included USB-C cable. The batteries are not used and the body will not automatically power down.

JSON Files

When enabled (default), JSON schema files will be available in PosiSoft USB drive. Files can be parsed in to databases and custom software applications.

NOTE:

Disabling this option may reduce the time required for the computer to recognize the PosiTector when first connected via USB.

HTML Report

When enabled (default), a formatted HTML report is viewed by selecting the index.html or START_HERE.html file found in the root directory. Optionally, text (.txt) files located in each batch folder provide access to measurement values. Stored readings and graphs can be viewed or copied using universal web browsers or file explorers.

NOTE:

Disabling this option may reduce the time required for the computer to recognize the PosiTector when first connected via USB.

Stream

Stream individual readings to a USB connected computer via a serial protocol. Ideal for use with serial compatible SPC data collection software.

For more information on USB Keyboard and Streaming visit:
www.defelsko.com/usb/stream

Auto Sync .net

When enabled, measurements will automatically synchronize with PosiSoft.net when connected to a computer running PosiSoft Desktop. Additional measurements added to memory while connected are synchronized only when the USB cable is disconnected and reconnected, or when the Sync.net Now option is selected.

NOTE:

PosiSoft Desktop is required when using USB connections to synchronize measurements with PosiSoft.net.

USB Keyboard

USB Keyboard mode enables PosiTector Advanced instruments to emulate a USB keyboard when connected to a computer.

USB Keyboard mode communicates with your computer by emulating keyboard keystrokes. When connected in this mode, PosiTector Advanced instruments will be recognized as a simple USB keyboard. Each reading is typed, followed by a carriage return (enter). This provides a simple way to capture readings as they are taken without any special software, drivers or complex setup.

For more information on USB Keyboard mode visit: www.defelsko.com/connect

Keyboard Format

By default, when a measurement is transferred in Keyboard mode, it's followed by a carriage return (enter). Keyboard Format allows the user to customize the delimiter to match forms or software field input requirements. Multiple delimiters can be joined together.

For more information on Keyboard mode visit: www.defelsko.com/connect

WiFi

Allows connection to your local wireless network or mobile hot spot. Ideal for using your network's internet connection for synchronizing stored measurements with PosiSoft.net.

See www.defelsko.com/wifi

Setup Options

Setup WiFi configuration options for the Gage.

AP Channel

The access point channel corresponding to a frequency range. (Default Channel: 6)

For most users the default channel will not have to be altered. If you are experiencing poor connection or are unable to connect, try another channel.

Press the Up button to highlight the channel. Use the (-) or (+) buttons to change the channel. Press the Down button and select OK.

Gage Name

Enter a unique name for the Gage (up to 14 Characters). This helps identify the gage on your local network.

Server Enable

The gage contains a WebServer that can be accessed by network connected devices. This option enables (default) a connection between the network and the Gage. To access the gage server, browse to the gages IP Address:8080 using an internet browser.

IP Settings

Manually enter network IP information as follows...

IP Type (DHCP or Static), IP Address, Gateway, Netmask, DNS1, DNS2

See your network administrator or IT department for assistance.

AP Passphrase

A series of characters, numbers or symbols used to log on to a WiFi network. Default Passphrase: password

Press the center navigation button to display on-screen keyboard. Enter a Passphrase for the Access Point. The Passphrase will be required for all devices connecting to the PosiTectors Access Point.

The PosiTector is now visible to all WiFi enabled devices. Simply connect your devices WiFi to the new PosiTector Access point. All PosiTectors are uniquely identified by their respective gage body serial numbers or user selected Gage Name.

WiFi Reset

Removes all previously configured networks and restores default WiFi settings.

WiFi Stream

Wirelessly stream readings to a device or computer over WiFi.

When enabled, the gage will send a GET request to specified URL for each reading. The URL can contain tags which are replaced by the PosiTector with values corresponding to the reading. This solution turns the PosiTector gage body into an Internet of Things device and is ideal for users with an existing WiFi network and a desire to stream live readings to a central application or database.

For more information on WiFi Streaming visit: www.defelsko.com/connect

Auto Sync .net

When enabled, the Gage automatically attempts to synchronize stored measurement data with PosiSoft.net upon power-up (internet connected WiFi network required). Alternatively, select Sync .net Now to immediately synchronize stored measurement data.

Access Point

Creates a wireless network to allow your smart device or computer to connect directly to the PosiTector. Ideal when a WiFi network is not available.

To enable, select Access Point from the Connect > WiFi menu. The Access Point icon will display in the upper left of the PosiTector display.

Securing your Access Point

To ensure the PosiTector is only accessible to authorized devices, it is important that you enter a passphrase (password) for the Access Point. The default Passphrase is password.

In the Connect > WiFi > Setup menu, select AP Passphrase to modify the default passphrase.

Enabled

Select to allow connection with your local WiFi network. The WiFi icon will appear on the display and the Gage will attempt to connect to any previously configured network. Connect to a new network from the Networks menu option.

Networks

Searches and displays all available WiFi networks within range. Select a network, then enter the password, if required. The WiFi icon will appear on the display.

NOTE: Some networks may not be visible and will require manual configuration using the Add Network option. See your network administrator or IT department for assistance.

WiFi Information

Displays information about the local WiFi network connection including:

SSID:
the network's name

State:
the network connection status

IP Address:
the assigned IP Address for the Gage on the network

Sync .net Now

When selected, the Gage immediately synchronizes stored measurement data to PosiSoft.net (WiFi internet connection required).

Updates

Determines if a software update is available for your Gage.

To perform an update the Gage must be connected to an internet connected computer running PosiSoft Desktop, or a WiFi network.

See www.defelsko.com/update

WARNING:

The Gage will perform a Hard Reset after an update. All stored measurements will be erased from memory.

Help

When a Menu option is highlighted, the (i) icon indicates on-gage help is available. Press (+) or touch the (i) icon to display the help. Update your gage to ensure that you have the latest on-gage help information.

A formatted PDF containing all on-gage help items is available at www.defelsko.com/help.

Menu Operation

To access the Menu, power-up the gage, then press the center navigation button. Either the keypad or touch screen can be used to navigate the menu. If desired, touch screen functionality can be disabled within the Setup > Touch menu.

Select a menu option by touching it, or use the Up and Down buttons to highlight the desired option and press the center navigation button to select it.

On menus longer than one page, the current page number is displayed below the menu name. Navigate between pages using the Up button when the first menu item is selected, or Down button when the last menu item is selected. If using touch, navigate between pages by touching the left or right arrow, or by swiping up or down.

Press the (-) button or swipe right to return to a previous screen. Select Exit to close the Menu.

A menu option with a > indicates that a sub-menu exists for the Menu option. Select the option to display its sub menu.

Screen Capture

Press both (-) and (+) buttons simultaneously to save an image of the current display. The last 100 screen captures are stored in memory and can be accessed when connected to a computer via PosiSoft USB Drive.

Power Off

To conserve battery life, the gage will automatically go to sleep after 5 minutes of inactivity and enter Sleep Mode. While in Sleep Mode the gage powers up significantly faster— convenient when moving between parts or locations. The gage will completely power off after 4 hours of inactivity. Alternatively, select Power Off from the main menu. All settings are retained.

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