

with PosiTector *RTR-H* probe Instruction Manual v. 1.0 - Android™





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Introduction

PosiTector RTR Replica Tape Reader probes measure burnished Testex Press-O-Film replica tape to produce peak-to-valley surface profile height measurements. This instruction manual specifically covers use with PosiTector *SmartLink*.

The PosiTector *SmartLink* and free mobile app allow you to wirelessly connect a wide selection of PosiTector probes to your smart device. Take full advantage of your device's keyboard, microphone, camera, internet data connection, etc. to simplify and enhance your measurement inspection process.



(PosiTector SmartLink with PosiTector 6000 probe shown)

The PosiTector *SmartLink* measurement solution consists of a PosiTector App, PosiTector *SmartLink* device and compatible PosiTector probe. In addition to the PosiTector *RTR-H*, compatible probes include the PosiTector *SPG* (*surface profile*), 6000 (coating thickness) and *DPM* (environmental conditions).

Why is Measurement Important?

Steel is often abrasive blast cleaned or otherwise roughened prior to painting. The peak-to-valley height of the resultant surface profile is an important factor in the performance of applied protective coatings.

Low profile may reduce coating bond strength (adhesion). Too high and the peaks may receive insufficient coverage and possibly rust prematurely. The costly application of more coating may be required if the profile is too high.

For these reasons, surface profile should be measured prior to coating application to ensure that it meets contract specifications.

Press-O-Film Replica Tape

Press-O-Film provides a simple way to obtain an impression of a surface for analysis. It consists of a layer of crushable plastic micro foam affixed to a 50.8 um (2 mil) incompressible polyester film. When compressed against a roughened surface, the foam collapses and acquires an accurate impression, or reverse replica, of the surface. It is available in a number of grades to accommodate measurements in different profile ranges.

Placing the compressed tape (replica) into the PosiTector *RTR-H* probe gives a measure of the average maximum peak-to-valley height of the surface roughness profile. The polyester substrate is automatically subracted from all measurements.

Quick Start

The PosiTector *SmartLink* powers-up when the LED button is pressed. To preserve battery life, the PosiTector *SmartLink* powers-down after 5 minutes of no activity. Alternatively, press and hold the LED button until it turns red and shuts off (approximately 5 seconds).

All probe settings and calibration adjustments are retained within the PosiTector *SmartLink*, stored measurement data is retained within the smart device (cell phone, tablet).

Measure

To ensure best accuracy, the probe should be zeroed before each use. It is therefore a good idea to clean the probe regularly with the included cleaning card. Cleaning is best performed when the PosiTector *SmartLink* is powered down.

- 1 Clean the probe with the include cleaning card
- 2 Wirelessly connect the PosiTector probe to the smart device using the PosiTector App
- 3 **Zero** the probe (pg 13)
- 4 Measure the included check shim to verify accuracy (pg 10)
- 5 Measure the burnished replica tape (pg 10)

See *How to Measure* (pg 9) for more detailed measuring instructions.

PosiTector App

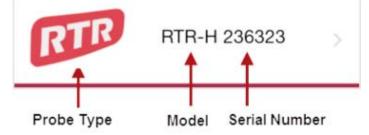
The PosiTector App connects a PosiTector *SmartLink* to your Smart device enabling you to use PosiTector *6000*, *DPM*, *SPG* or *RTR-H* probes on your device without the need for a conventional gage body.

Screen fonts, brightness and displayed language are inherited from your smart device settings. Currently, the PosiTector App has language support for English, Spanish, French, German, Chinese and Korean. Screen orientation is fixed to portrait only, rotation to landscape is not supported.

Stored batch readings, images and notes are all stored in the PosiTector App (on your smart device). The number of stored batch readings is only limited by the memory available on your smart device. If the application is removed or a *Menu Reset* (pg 25) is performed, all stored measurements and associated data is permanently erased.

Wirelessly Connecting the PosiTector App to the PosiTector *RTR-H* probe

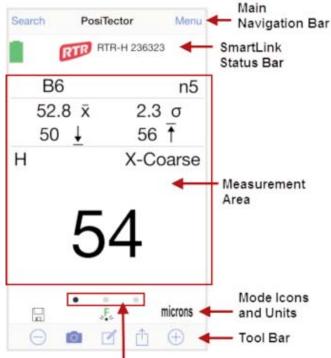
- 1 Power-up the PosiTector *SmartLink* and connected *RTR-H* probe by pressing the LED button. The button will blink blue.
- 2 Select the PosiTector *SmartLink* App icon on your smart device.
- 3 Select *Continue*. A list of available PosiTector probes (listed by connected probe type and serial number) will be displayed. Select the desired PosiTector *SmartLink* to connect. The LED button on the PosiTector *SmartLink* will illuminate solid blue when successfully connected.



The probe model and serial number is engraved on the backside of the plastic probe connector (i.e. RTR-H 236323).

User Interface

The user interface was designed to combine the proven simplicity of PosiTector gages and the advanced functionality of a smart device's features including touch, swipe, keyboard, camera and more. The interface will be instantly recognizable to those familiar with PosiTector instruments.



Carousel (swipe between views)

Main Navigation Bar

The Main Navigation section is dynamic and may change from one screen to another.

In the above example, **Search** and **Menu** navigation options are available.

Search returns back to the list of available PosiTector SmartLink devices. Menu accesses the Main Menu.

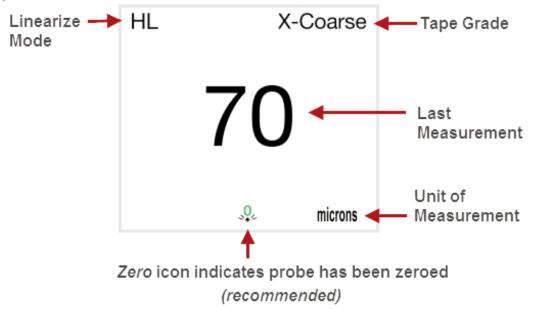
SmartLink Status Bar

Displays information about the connected PosiTector *SmartLink* and associated probe.

The example above indicates that the PosiTector *SmartLink* battery status is full and connected to a PosiTector *RTR-H* probe (serial number: 236623).

Measurement Area

Displays measurement related information. In the measurement screen below a reading of 70 microns has been taken in Linearize mode (H_L) using X-Coarse replica tape. The probe was Zeroed as recommended best practice.



The measurement area will change depending on the connected probe type and selected modes.

Modes Icons and Units

Displays icons for active modes (such as the disk icon 🖬 for *Memory* mode, pg 15), current calibration adjustment type (📠 Factory), and measurement units (microns).

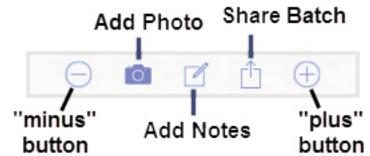
Carousel

The carousel is displayed when more than a single view (screen) is present. The number of dots represent the number of available views. Swipe your finger horizontally across the screen to switch between views.

Tip: Some views contain interactive areas. For this reason we recommend swiping horizontally across the *Mode Icons* and *Units bar*.

Tool Bar

Displays available actions applicable to current operating modes (i.e. *Memory* (pg 15), *Statistics* (pg 23), etc.)

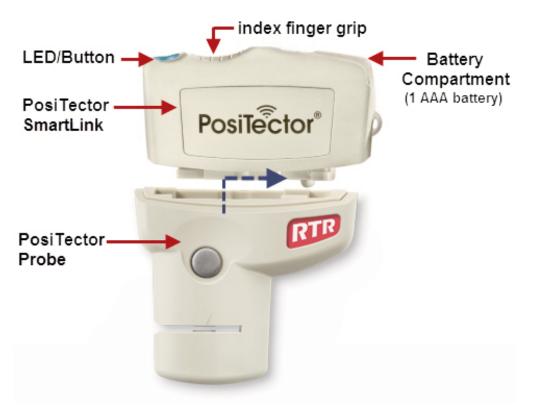


PosiTector SmartLink

The PosiTector *SmartLink* acts as a relay between the PosiTector probe and PosiTector App using wireless Bluetooth Smart (BLE Bluetooth Low Energy). No pairing required! Auto-pairing Bluetooth connection works up to 10 m (30 feet) away.

Information specific to currently selected modes and user calibration adjustments (specific to each probe) are retained within the PosiTector *SmartLink*. This allows for seamless switching between smart devices (phone and tablet).

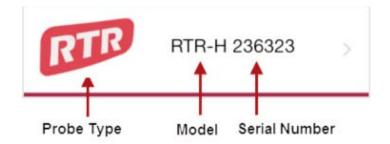
NOTE: Measurement data is not stored within the PosiTector *SmartLink*. All measurement data (readings, images, notes) is stored within the PosiTector App on your smart device.



Connect a Probe

To connect a probe, slide the plastic probe connector in the direction of the arrow (shown above) until it locks in place. Reverse for detaching the probe.

When powered-up, the PosiTector *SmartLink* automatically determines what type of probe is attached and does a self-check. The probe type, model and serial number are displayed when found within the app's *Search* screen.



NOTE: The PosiTector App features probe hot-swap. During the measurement process, probes can be interchanged without the need to go back to the *Search* screen. Simply swap probes (PosiTector *SmartLink* will power-down) and then power-up the PosiTector *SmartLink*. The PosiTector App will automatically recognize the probe and be ready to measure.

Power-up / Power-down

The PosiTector *SmartLink* powers-up when the LED button is pressed. To preserve battery life, the PosiTector *SmartLink* powers-down after 5 minutes of no activity. Alternatively, press and hold the LED button until it turns red and shuts off (approximately 5 seconds).

All probe settings and calibration adjustments are retained, stored measurement data is retained within the smart device.

Tri-Color LED Button

The LED visually provides connection and measurement status.

LED Color Status:

Blue Blink = Not Connected to PosiTector App

Blue Solid = Connected to PosiTector App

Green Blink = Successful Reading

PosiTector RTR-H Probe

The PosiTector *RTR-H* probe measures burnished Testex Press-O-Film replica tape to produce peak-to-valley surface profile height measurements.



More probe information is available at www.defelsko.com/rtr

Factory Calibration

Every PosiTector *RTR* probe is factory calibrated and includes a Certificate of Calibration. This factory calibration information is permanently stored within the probe and cannot be overwritten by the user. The \int_{F_c} icon indicates factory zero. For best accuracy, it is recommended that a *Zero Cal Adjustment* be performed.

Certification

PosiTector *RTR* probes include a Certificate of Calibration showing traceability to a National Metrology Institution. For organizations with re-certification requirements, instruments may be returned at regular intervals for calibration. DeFelsko recommends that customers establish calibration intervals based upon their own experience and work environment. Based on our product knowledge, data and customer feedback; a one year calibration interval from either the date of calibration, date of purchase, or date of receipt is a typical starting point.

Written Calibration Procedures are available online at no charge. http://www.defelsko.com/quality/calibration_procedures.htm

How to Measure

- 1 Prepare the test surface (pg 9)
- 2 Burnish the replica tape (pg 9)
- 3 Prepare the probe (pg 10)
- 4 Measure (pg 10)

Prepare the test surface



Locate a representative site for measurement. Clean the surface to be tested.

DeFelsko recommends the use of the included putty to remove dust, debris, or residual blast media from the surface.

Firmly press the putty onto the surface

using your fingers, and remove.

Burnish the replica tape (create a replica)

Select the appropriate grade of replica tape based on the target profile. See tape instructions for assistance.

Pull a single adhesive-backed replica tape free of its release paper. A "bull's eye" circle of paper should remain on the release paper (it is not used for measurement). Apply replica tape to blasted surface. Press the adhesive-backed ends of the paper to hold it firmly in place during the burnishing process. Firmly compress replica film using the rounded end of the included stainless steel burnishing tool. Apply sufficient pressure in a circular and x-y rubbing motion to produce a replica with a uniform pebble grain appearance. It normally takes 30 to 60 seconds to fully compress all parts of the film on most surfaces. In general, too much compression is safer than too little.

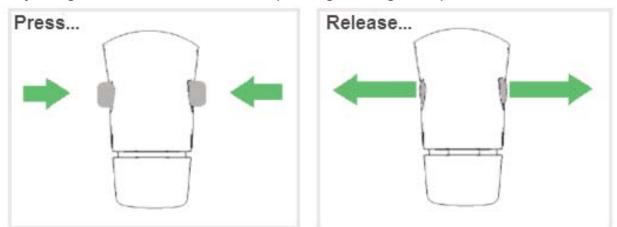


After burnishing is complete, remove the replica tape from the surface.

Prepare the probe

With the PosiTector *SmartLink* powered-down, clean the measurement anvils using the included cleaning card. Swipe the card through the opening a few times while firmly pressing both probe buttons to remove dust particles and residual tape adhesive.

Power-up the PosiTector *SmartLink* by pressing the LED button. *Zero* the probe (pg 13) by simultaneously pressing and holding both probe buttons firmly until the arrows point outward. Do not place anything in the measurement opening during this procedure.

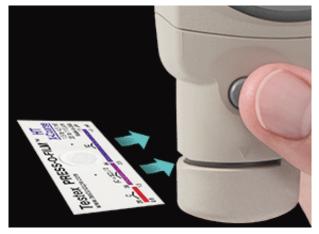


Measure the included check shim to verify accuracy. Ensure the correct grade of replica tape, Coarse or X-Coarse, is displayed in the upper left

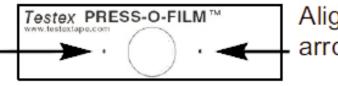
corner of the measurement area.

Measure

Insert the burnished replica tape into the measurement opening. Ensure the tape is properly positioned so that the burnished region is centered within the opening in the probe with the adhesive (sticky) side down.



To position the tape, move the TestexTM Press-O-FilmTM replica tape to the back of the probe and align the two dots (printed on replica tape) with arrows on both sides of the measurement opening.



Align dots with arrows on probe

If you are using older TestexTM Press-O-FilmTM replica tape that does not have the printed dots, simply align by centering the tape within the measurement opening.

Once positioned, firmly press both probe buttons simultaneously and hold until the the measurement is displayed. During measurement, a constant anvil pressure is applied to the replica tape regardless of how hard the two buttons are pressed.

The PosiTector *RTR-H* probe automatically subtracts the 50.8 um (2 mil) of incompressible polyester film. No further adjustments are required.

Calibration, Verification & Adjustment

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.

PosiTector *RTR* probes ship with a Certificate of Calibration showing traceability to a National Metrology Institution. For organizations with re-certification requirements, probes may be returned at regular intervals for calibration. DeFelsko recommends that customers establish calibration intervals based upon their own experience and work environment. Based on DeFelsko's product knowledge, data and customer feedback, a one year calibration interval from either the last date of calibration, date of purchase, or date of receipt is a typical starting point.

Written Calibration Procedures are available online at no charge. http://www.defelsko.com/quality/calibration_procedures.htm

Verification

Accuracy is verified using the included check shim. Ensure that the probe has been cleaned with the included cleaning card and that the probe has been zeroed.

Place the check shim into the measurement opening. The average of several readings should be within the combined tolerance of both the probe and the shim. If not, the probe may need to be returned to your dealer for service.

The check shim is specifically intended for the PosiTector *RTR-H*. The probe is designed to measure burnished replica tape within a limited measuring range and automatically subtracts 50.8 um (2 mil) from height measurements to account for the incompressible polyester film. Therefore plastic shims intended for other instruments such as coating thickness gages will not be measured properly.

Menu Operation

PosiTector *RTR-H* functions are menu controlled. Access them by selecting *Menu* in the upper right of the PosiTector App display.

SmartLink Info Change Units SmartLink Lock Reset Exit	Ŝ Ma â 1:51 PM
	SmartLink Info Change Units SmartLink Lock Reset

The Main Menu contains the following sub-menus...

- *Memory* (pg 15)
- Statistics (pg 23)
- **Cal Settings** (pg 13)
- **Setup** (pg 24)

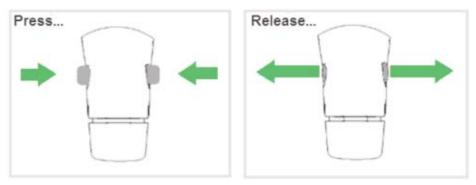
Select *Exit* to close the menu.

Cal Settings Menu

Zero

The probe should be zeroed regularly to ensure best accuracy. It is particularly useful during long measurement sessions. Clean the probe with the included cleaning card before performing a probe **Zero**.

- 1 Select **Zero** from the *Cal Settings* menu
- 2 Simultaneously press and hold both probe buttons firmly until the arrows point outward. Do not place anything in the measurement opening during this procedure.



Shortcut: Simultaneously press and hold both probe buttons firmly until "0" displays (arrows do not display as in above). This can be performed from the main measurement screen without having to access the menu.

Reset Current Cal

Restores factory zero.

Tape Grade

Selects a replica tape grade. Required when Linearize mode (H_L) is ON.

- Coarse
- X-Coarse (default)

NOTE: Coarse Minus and X-Coarse Plus grades are not supported in Linearize mode since the only function of these two grades is to improve upon the accuracy of Coarse tape at its low end and X-Coarse tape at its high end, something the PosiTector *RTR-H* probe will automatically do when measuring H_L . When Linearize mode is OFF, the PosiTector *RTR-H* probe will measure all four grades of replica tape just like a conventional spring micrometer.

Linearize mode H_L

When toggled ON (default), "H_L" appears on the display and subsequent measurements are linearized.

An undesirable characteristic of replica tape is that measurements made with analog spring micrometers are most accurate near the middle of each grade's range and least accurate at the outer ends of each grade's range. That is why two other grades, Coarse Minus and X-Coarse Plus, are used to check and, if necessary, adjust measurements at the lower and upper ends of the primary range of 20 - 115 um (0.8 - 4.5 mils).

Inside the primary range, the upper end of Coarse grade's range and the lower end of X-Coarse grade's range share a 38 - 64 um (1.5 - 2.5 mil) "overlap" region. Current Testex instructions describe a relatively complicated and time consuming procedure (the average of one reading using Coarse grade and one reading using X-Coarse grade) that is used to knit the Coarse and X-Coarse sub-ranges together to achieve reasonably accurate readings over the primary range. This method is a compromise between accuracy and ease of use.

When the Linearize box is NOT ticked, the PosiTector RTR-H displays a height value of H comparable to the value an analog spring micrometer would display after the 50.8 um (2 mil) of incompressible polyester substrate has been subtracted. In other words, it is the average of the maximum peak-to-valley distances obtained by measuring the thickness of the replica tape without any correction.

When the Linearize box IS ticked, the PosiTector RTR-H displays a more accurate peak-to-valley height measurement H_L that has been adjusted for the non-linearity of replica tape. There is no need to average 2 or more replicas from different grades of tape AND there is no need to subtract the 50.8 um (2 mil) of incompressible polyester substrate. Ensure the proper tape grade, Coarse or X-Coarse, has been selected and appears in the upper left corner of the display.

During measurement, if the linearized measurement falls outside of the selected tape grade's range, a more suitable tape grade will be suggested to perform the measurement.

Memory Menu

The PosiTector App uses your smart device's storage for recording measurement data. Stored measurements can be reviewed on-screen or shared via email (PDF, CSV). Measurements are date and time-stamped (using date/time from smart device).

The following options appear within the *Memory* menu. Additional options may appear depending on the connected PosiTector *SmartLink* and probe type.

New Batch

Closes any currently opened batch and creates a new batch name using the lowest available number. For example, if only Batch 1 and Batch 3 exist, then Batch 2 would be created and made the current batch.

The 🖬 icon appears and basic statistics are displayed. Each measurement will be displayed and stored into this new batch. On screen statistics are immediately updated with each measurement. New batch names are date-stamped at the time they are created.

Shortcut: When a batch is open, press the LED button on the PosiTector *SmartLink* or \oplus icon on the display to create a new batch.

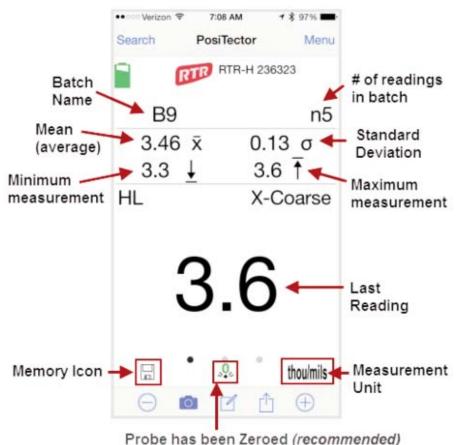
The following 3 screen views are available when a batch is open (*Memory* ON). Swipe your finger horizontally across the screen to switch between views.



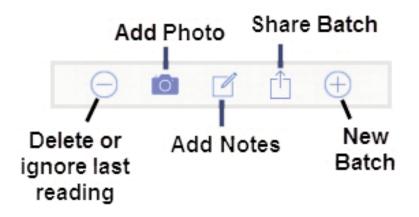
Swipe your finger horizontally accross the screen to switch between views.

Batch Summary View

In the PosiTector *RTR-H* memory example below, the batch name is B9 and contains 5 measurements.



Use the **Tool bar icons** to add notes and change the batch name (pg 19), add new batch (pg 17) and add an image (pg 18).



Delete or Ignore last reading from the current open batch.

When selected, the following menu appears.

Ignore Readings are retained within the batch but are excluded from the report's statistical summaries and charts.

The ignored readings are highlighted within the *Batch Readings View* (Shown here. See also pg 20.)

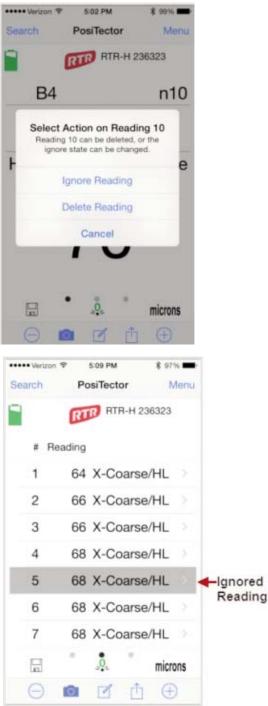
By default Ignored Readings are not included on reports. For inclusion, toggle the Hide Ignored Readings within the *Batch Report Configuration* (pg 22). Ignored Readings will display has highlighted within the readings section of the report, but are excluded from the statistical summary and chart.

Delete Reading permanently removes the selected measurement from the current batch.

Cancel exits the menu.

Hew Batch

Closes any open batch and creates a new batch name using the lowest available number.



Add Photo to the currently opened batch or dataset.

Batch Photo, Reading Photos and Image Annotations can be included in reports.

The photo can be resized or hidden from reports within the Memory >> Batch Report Configuration menu (pg 22).

Memory Menu	3 ♥ O 1:06
Alignment	
Report Header Picture	
Picture	>
Height 1.0 in. / 2.5 cm	
Alignment	= = =
Report Items	
Information	ON
Batch Note	ON
Batch Picture	CX4
Picture Size 3.0 in. / 7.6 cm	
Summary	04
Readings	04
Reading Time	ON
Reading Adjustment	ON
Reading Picture	ON.
Picture Size 1.0 in. / 2.5 cm	
Hide Ignored Readings	04
Reading Note	ON .
♦ 0	0

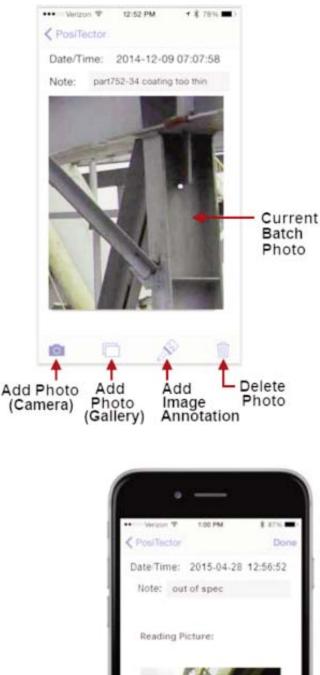


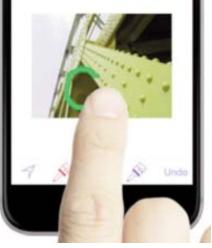
This drawing tool is ideal for identifying a specific location or area within an image.

Choose from three paint brush colors - Red, Green or Blue.

Use finger or stylus to draw over the displayed image.

NOTE: Connection to a PosiTector *SmartLink* is not required to add a photo or image annotation to an existing batch.





Add Notes to currently opened batch or dataset.

Change the batch name and add batch notes using your smart device's keyboard or dictation tools.

Batch names/notes appear on reports.

🖞 Share Batch

Share/view professional PDF reports and CSV data instantly via email, Dropbox or other applications on the smart device.

Batch Note		bow
Batch Name B9		
Batch Notes This is a batch note.	Batch notes can be included in reports,	
q'w'e'	r [*] t [*] y [*] u [*] i [*] o [*]	p e
a s d		0
	cvbnm!	? 4

Cancel PosiTector Export Send	6000	FN 212921	Done	Batch Report
To: DeFelsko Technical	B1	n5		DeFelsko
Co/Boc, Fram: tlanue@defeatko.com Subject: PosiTector Export	50.0 x 46 ↓	4.7 σ 58 Ť	B1 Cristel 2014 12- Smart, as SN 19 Prote Type Pools Prote SN 212821	1089 Inter FN
e e header.txt	F A	Cal 1	B1 Summa t t	a i t Manuni
	Share 6			25 aulog Tirm News) 58 2014-12-11 11.50-08 48 11.50-08
statistics.txt batchison.json	Exp	-	4 4 3	40 11.50.10 58 11.50.12 47 11.50.14
	Gan			-1

Select Share Batch

Report

Generate PDF reports instantly and share via email, Dropbox or other applications on your smart device.

Batch reports can be customized within the Batch Report Configuration menu (pg 22).

Export

Email CSV (comma-delimited) comma-separated text files which can easily be imported into supporting applications such as spreadsheets and databases. A .json formatted file is also included.

Batch Readings View

Lists all readings contained in the current batch. New readings are added to the list instantly as they are taken.

A note and/or photo can be added to each individual reading.

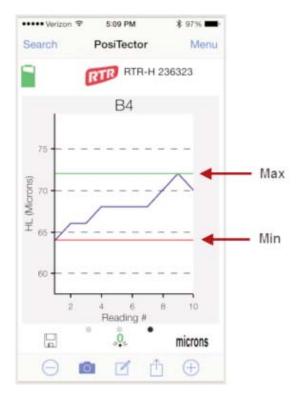
Notes and photos can be displayed in batch reports.



Batch Chart View

Display an x-y chart of measurements contained in the current batch. The chart is instantly updated as measurements are taken.

Pinch the active region of the chart to zoom the view.



Open

Lists all stored batches. Select the desired batch to open.



Additional measurements can be added to existing batches only if the original probe is attached to the PosiTector *SmartLink*.

NOTE: Opening a batch that was not created with the currently attached probe will disconnect the PosiTector *SmartLink* from the PosiTector App. You will still be able to add notes, photos, etc. to the batch.

Close

Closes the current batch and turns *Memory* OFF.

Batch measurement data is retained when a batch is closed.

Delete

Permanently remove a batch from the PosiTector App.

Select batches for deletion, then select **OK**.

Or select **Delete all batches for all probes** to permanently delete all measurement data from the smart device (phone/tablet).

Yerizon
SmartLink 761088 - FN 212921
B3 n=7 Selected for
B2 n=0 deletion
terry n=7
Delete All: 212921
Delete all batches for all probes
Exit
Cancel OK

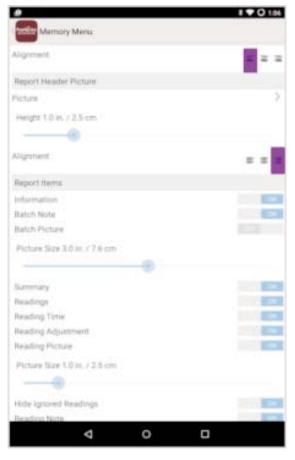
Batch Report Configuration

Customize reports using the *Batch Report Configuration* to include/exclude notes, images, logo, company/report name, fonts, alignment, image sizes and more.

Select *Preview Report* to review your changes.

NOTE:

The *Preview Report* displays sample batch data (not your actual batch data).



Batch Report

Generate a report summarizing an individual batch or multiple batches.

Select desired batch or batches to include in the report and press **OK**.

Share the report instantly via email, Dropbox or other applications on your device

	1 V O 1:1
anolity Batch Report	
SmartLink 761088 - 242536 FN	
B4 n=5	
B3 n=5	
82 m-5	
89 m=5	
Generate Alt. 761088-243936 FN	
Generale Selected	
Ext	

Statistics Menu



When toggled ON, the $\overline{\mathbf{x}}$ icon appears and a statistical summary is displayed.



 Deletes the last reading. Press *Clear* or the *LED button* on the PosiTector *SmartLink* to clear statistics.

Clear

Clears all on-screen tabulations.

Setup Menu

SmartLink Info

Provides information about the currently connected PosiTector *SmartLink*, Probe and PosiTector App version.



Change Units

Converts the display from imperial to metric or vice versa. Stored readings in memory are not converted.

Switching units will turn OFF Statistics and close Memory.

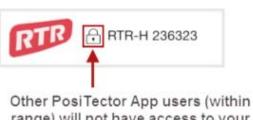
SmartLink Lock

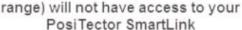
Locks the PosiTector *SmartLink* to a smart device. This prevents other PosiTector App users within range (10 m / 30 ft) from inadvertently connecting to a *SmartLink*.

Toggle the *SmartLink* Lock within the *Setup* menu (pg 24) to lock the PosiTector *SmartLink* to a smart device. You will have to unlock it if you want to wirelessly connect to another smart device.



Key icon will appear on search screen to indicate PosiTector SmartLink is locked to your PosiTector App.





NOTE: The PosiTector *SmartLink* is not visible on other smart devices while you are connected (once you have selected the PosiTector *SmartLink* from the *Search* screen).

Reset

Restores factory default settings. Ideal for returning settings to a known condition.

There are two available **Reset** options:

Menu Reset and PosiTector SmartLink (LED Button) Reset

Menu Reset (*PosiTector App*)

Select Reset from the Setup menu (pg 24).	Settings are returned to the following:
The following occurs after a warning	<i>Memory</i> = OFF
message:	Statistics = OFF
• All stored batches, measurements, images, notes, annotations are	<i>Units</i> = Microns
deleted.	Tape Grade = X-Coarse
• All calibration settings (adjustments)	Linearize = ON
for all probes are cleared and restored back to factory settings. (provided PosiTector <i>SmartLink</i> is ON and connected to App). To keep calibration settings, power off the	<i>Report Configuration</i> <i>Settings</i> = restored to default
PosiTector <i>SmartLink</i> prior to performing this <i>Menu Reset</i> .	

LED Button Reset (*PosiTector SmartLink*)

With the PosiTector *SmartLink* powered-down, press and hold the LED button until it flashes green (approximately 10 seconds).

The following occurs...

• All calibration settings (adjustments) for all probes are cleared and restored back to factory settings.

Settings are returned to the following:

Units = Microns

SmartLink Lock = OFF

Limited Warranty, Sole Remedy and Limited Liability

DeFelsko's sole warranty, remedy, and liability are the express limited warranty, remedy, and limited liability that are set forth on its website: <u>www.defelsko.com/terms</u>





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Every effort has been made to ensure that the information in this manual is accurate. DeFelsko is not responsible for printing or clerical errors.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.