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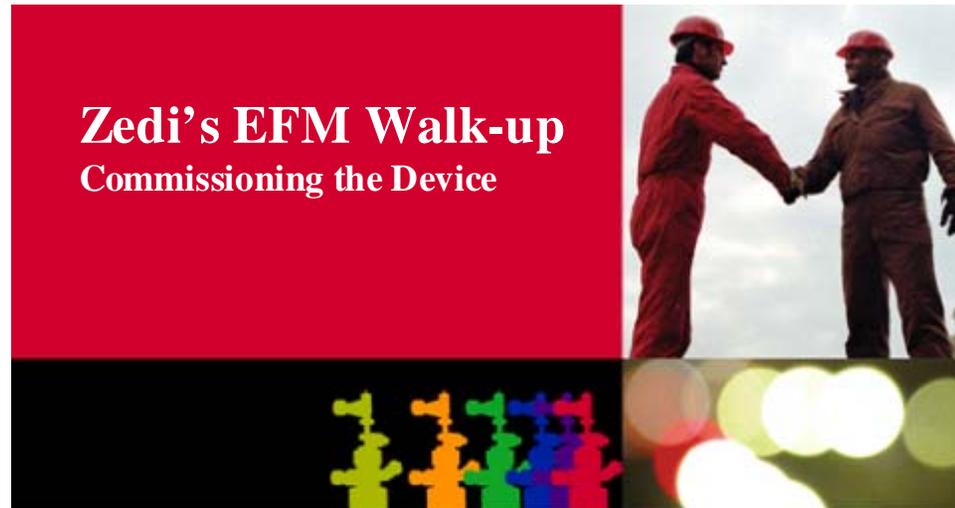
Slides: 98

Duration: 00:10:24

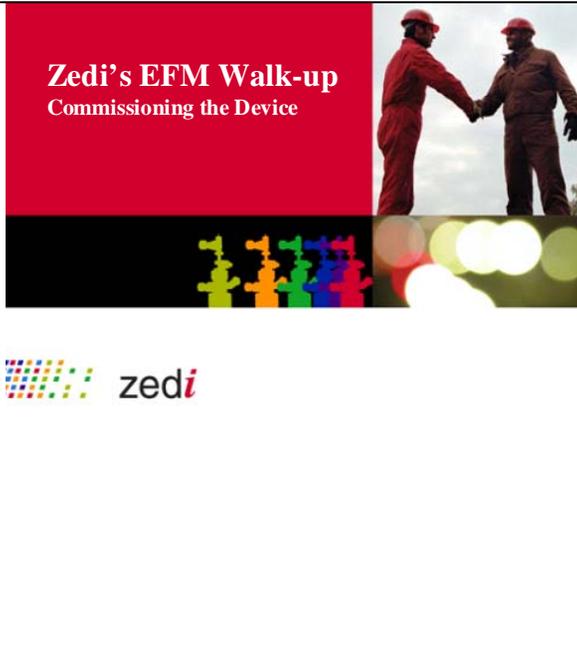
Filename: F:\Training Material Development\EFM WU Webinar\EFM WU Webinar.ppt

Presenter Details:

Name:



Slide 1
User Manager
Duration: 00:00:13
Advance mode: Auto



Zedi's EFM Walk-up
Commissioning the Device

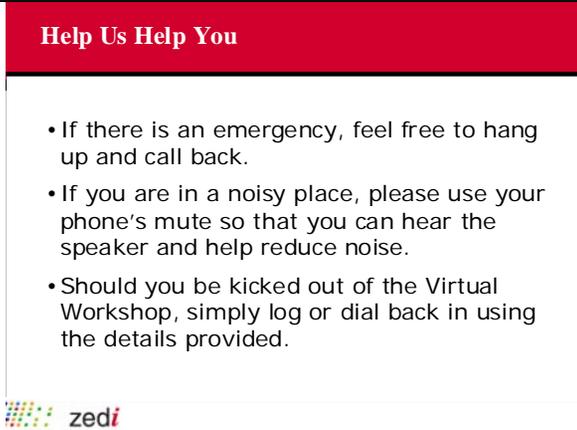


Notes:

Good Morning
People will probably continue to connect over the internet and on phone in the next few minutes, but since we have a lot of material to cover and so that we can let you get back to work, we'll go ahead and get started.
Welcome to Zedi's Virtual Workshop on Alarm Manager in Smart-Alek.
We're glad you can join us today.
I'm _____, and with me is/are

As we go through the presentation, if you have any points you would like to make or questions, please feel free to interrupt. I should mention that this workshop has been constructed it to provide high-level concepts and give you some of the details that we thought would be of use to you in your jobs. We know that some of you may have questions or issues related to more specific circumstances in which you find yourselves. We'll do our best to address these within the Virtual Workshop, but we can also follow up with you directly, later on, to put resources more specific to your needs in your hands.

Slide 2
Help Us Help You
Duration: 00:00:05
Advance mode: Auto



Help Us Help You

- If there is an emergency, feel free to hang up and call back.
- If you are in a noisy place, please use your phone's mute so that you can hear the speaker and help reduce noise.
- Should you be kicked out of the Virtual Workshop, simply log or dial back in using the details provided.



Notes:

First, let's clear up a few brief housekeeping items:
If you can connect to the virtual workshop and the audio portion but get kicked off at any time, just reconnect using the instructions I've provided. Multiple people are connecting to this workshop with different computers and internet connection speeds. So you may notice slight delays in how fast presentation material loads. If the slide show stops for you, please let us know. We will try to make sure that everyone keeps up.

<p>Slide 3 Introduction Duration: 00:00:05 Advance mode: Auto</p>	<p>Introduction</p>  <p>The image shows a Zedi EFM Walk-up device, which is a blue and silver electronic flow measurement device with a small LCD screen and a coiled cable.</p> <p> zedi</p>	<p>Notes:</p> <p>The Zedi EFM Walk-up is an electronic flow measurement device which gathers production data and delivers it via wireless Bluetooth technology to a handheld unit or to a laptop, right at the well site. You can see production data on the device's LCD screen and generate reports and graphs right at the well. The information can then be uploaded to Zedi's Smart-Alek secure internet portal.</p> <p>Today we are going to go through the steps in commissioning an EFM WU device.</p>
<p>Slide 4 Agenda Duration: 00:00:05 Advance mode: Auto</p>	<p>Agenda</p> <ul style="list-style-type: none"> • Loading Zedi On-site™ on your laptop • Connecting the battery • Opening Zedi On-site™ • Connecting to the device • Setting the mode • Configuring the device • Calibrating the device <p> zedi</p>	<p>Notes:</p> <p>Here is our agenda for today.</p>
<p>Slide 5 Agenda Duration: 00:00:05 Advance mode: Auto</p>	<p>Agenda</p> <ul style="list-style-type: none"> • Loading Zedi On-site™ on your laptop • Connecting the battery • Opening Zedi On-site™ • Connecting to the device • Setting the mode • Configuring the device • Calibrating the device <p> zedi</p>	<p>Notes:</p> <p>First we'll start by loading Zedi On-site on your laptop.</p>

Slide 6
Loading Zedi On-site™
Duration: 00:00:05
Advance mode: Auto



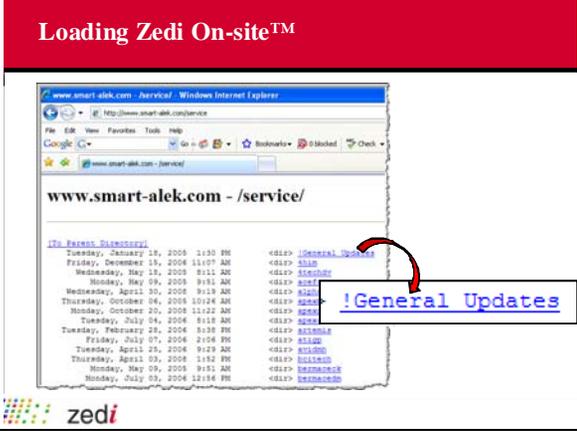
Notes:
To load Zedi On-site™ on your laptop, go to www.smart-alek.com/service.

Slide 7
Loading Zedi On-site™
Duration: 00:00:05
Advance mode: Auto



Notes:
Enter your user name and password and click "OK".

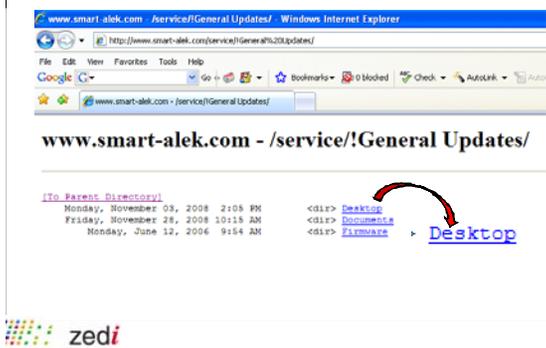
Slide 8
Loading Zedi On-site™
Duration: 00:00:05
Advance mode: Auto



Notes:
Click on "General Updates".

Slide 9
Loading Zedi On-site™
Duration: 00:00:05
Advance mode: Auto

Loading Zedi On-site™



Notes:
Select "Desktop".

Slide 10
Loading Zedi On-site™
Duration: 00:00:05
Advance mode: Auto

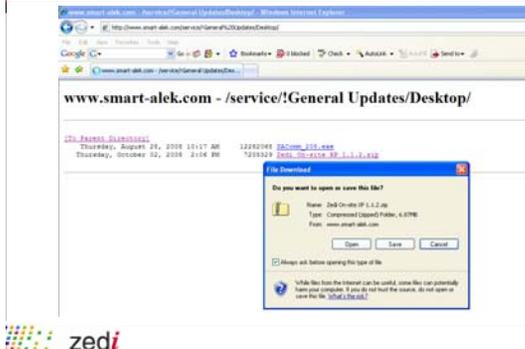
Loading Zedi On-site™



Notes:
Select the "Zedi On-site XP" link. Please note that "XP" does not mean that the software is limited to laptops with Microsoft XP. It also works with Microsoft 2000. Please contact Zedi Hardware Support if you have a different operating system.

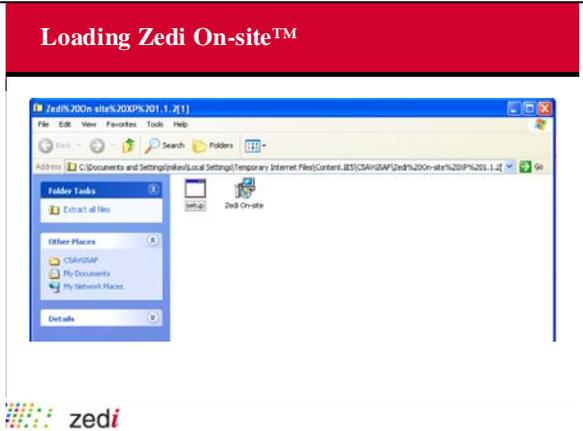
Slide 11
Loading Zedi On-site™
Duration: 00:00:05
Advance mode: Auto

Loading Zedi On-site™



Notes:
When you get the file download prompt pop-up window, click on the "Open" button.

Slide 12
Loading Zedi On-site™
Duration: 00:00:05
Advance mode: Auto



Notes:
Double-click on the “setup” icon.

Slide 13
Loading Zedi On-site™
Duration: 00:00:05
Advance mode: Auto



Notes:
After clicking on the “setup” icon, you may get a pop-up window saying that you need to install the “.NET Framework”. If you get this window, click the “Yes” button.

Slide 14
Loading Zedi On-site™
Duration: 00:00:05
Advance mode: Auto



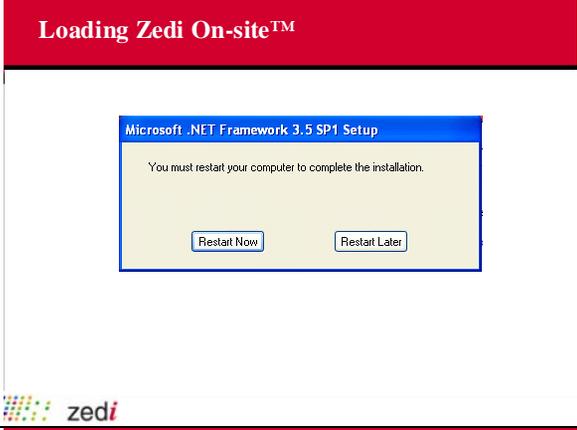
Notes:
Click on the “Install it now” button.

Slide 15
Loading Zedi On-site™
Duration: 00:00:05
Advance mode: Auto



Notes:
In order to install the “.NET Framework”, you must accept the terms of the license agreement. Then click the “Install” button.

Slide 16
Loading Zedi On-site™
Duration: 00:00:05
Advance mode: Auto



Notes:
Restart your computer and then begin the Zedi On-site™ loading process again.

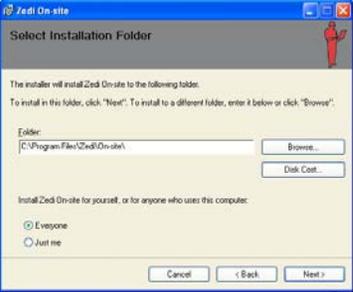
Slide 17
Loading Zedi On-site™
Duration: 00:00:05
Advance mode: Auto



Notes:
If you needed to install the “.NET Framework”, you will have to start the installation of Zedi On-site™ again. If not, then just continue with the Setup wizard.

Slide 18
Loading Zedi On-site™
Duration: 00:00:05
Advance mode: Auto

Loading Zedi On-site™

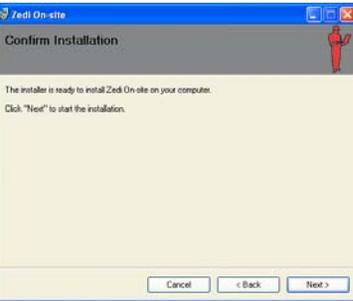


zedi

Notes:
Select a desired folder and determine who will have access to Zedi On-site™ on your laptop. Click the “Next” button to continue.

Slide 19
Loading Zedi On-site™
Duration: 00:00:05
Advance mode: Auto

Loading Zedi On-site™

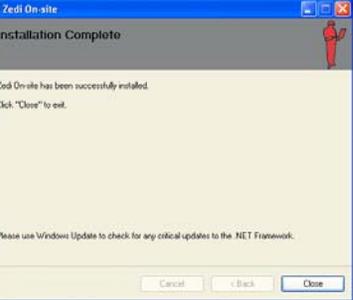


zedi

Notes:
Click “Next” to start the installation.

Slide 20
Loading Zedi On-site™
Duration: 00:00:05
Advance mode: Auto

Loading Zedi On-site™



zedi

Notes:
Click “Close” to exit the installation wizard.

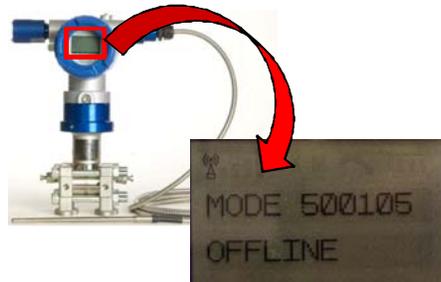
<p>Slide 21 Before going to site... Duration: 00:00:05 Advance mode: Auto</p>	<p>Before going to site...</p>  <p>zedi</p>	<p>Notes:</p> <p>It is a good idea to connect to the device with your laptop AFTER you have loaded Zedi On-site™ and BEFORE going to the customer's site to install it. Please follow the directions on the next few slides before going to site.</p>
<p>Slide 22 Agenda Duration: 00:00:05 Advance mode: Auto</p>	<p>Agenda</p> <ul style="list-style-type: none"> • Loading Zedi On-site™ on your laptop • Connecting the battery • Opening Zedi On-site™ • Connecting to the device • Setting the mode • Configuring the device • Calibrating the device <p>zedi</p>	<p>Notes:</p> <p>After loading the software on your laptop, we need to connect the battery to the device.</p>
<p>Slide 23 EFM Walk-up battery Duration: 00:00:05 Advance mode: Auto</p>	<p>EFM Walk-up battery</p> <p>Field device is powered by 5V lithium battery</p>  <ul style="list-style-type: none"> • <i>Replace every 5 months (estimated)</i> • <i>Estimated battery life based on 15 minutes user interaction per week (Bluetooth)</i> • <i>Accessing device via USB uses no battery draw</i> • <i>Don't use reported battery voltage measurements to plan timing of replacement</i> <p>zedi</p>	<p>Notes:</p> <p>The Zedi EFM Walk-up field device derives the power it needs from a single, 5V, non-rechargeable lithium battery. Nominally, you should replace this battery every five months or so to ensure interruption-free operation. Actual battery life you can expect will depend on several factors: how often you use Bluetooth vs. USB to connect to the field unit, how often you visit the well site and download data from it, and so on. Using Bluetooth to connect will deplete battery reserves faster than when you use USB.</p> <p>Also, it's important to note that because of the discharge curve of this particular kind of battery, we don't recommend monitoring battery voltage over time as a way to predict when the battery will need to be replaced. Unlike alkaline or lead-acid batteries, a Lithium battery's output voltage does not taper-off over time (except perhaps a week or so before it's depleted). So, to be on the safe</p>

		<p>side, we recommend scheduling a battery change for each device at five month intervals.</p>
<p>Slide 24 Connecting the battery Duration: 00:00:05 Advance mode: Auto</p>	<p style="background-color: red; color: white; text-align: center; padding: 2px;">Connecting the battery</p>  <p style="text-align: center;">Remove rear cover</p> 	<p>Notes:</p> <p>To connect the battery, remove the rear cover by turning in a counter-clockwise direction.</p>
<p>Slide 25 Connecting the battery Duration: 00:00:05 Advance mode: Auto</p>	<p style="background-color: red; color: white; text-align: center; padding: 2px;">Connecting the battery</p>  	<p>Notes:</p> <p>The device is shipped with the battery inside the device, however it is not connected. When you remove the rear cover, you will see the battery installed with its cable not connected. Plug it in to one of the two battery connectors. There is only one way to plug it in, so don't worry about doing this incorrectly.</p>

Slide 26 Connecting the battery

Duration: 00:00:05
Advance mode: Auto

Connecting the battery



 zedi

Notes:

Once the battery has been connected, the LCD immediately turns on. It will indicate the mode “offline” and the serial number of the device. When you have confirmed that the battery has been properly connected, you can replace the rear cover.

Slide 27 Agenda

Duration: 00:00:05
Advance mode: Auto

Agenda

- Loading Zedi On-site™ on your laptop
- Connecting the battery
- **Opening Zedi On-site™**
- Connecting to the device
- Setting the mode
- Configuring the device
- Calibrating the device

 zedi

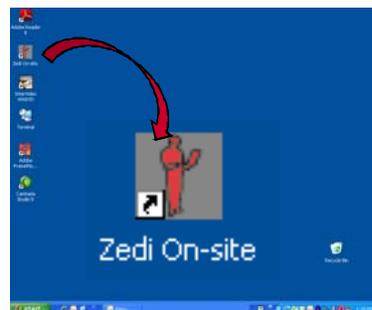
Notes:

Let's start by opening Zedi On-site on your laptop.

Slide 28 Opening Zedi On-site™

Duration: 00:00:05
Advance mode: Auto

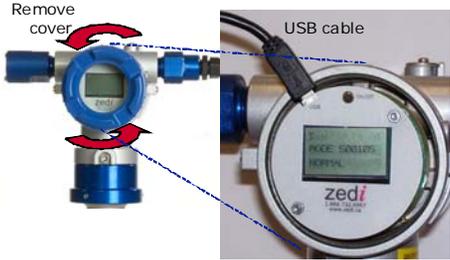
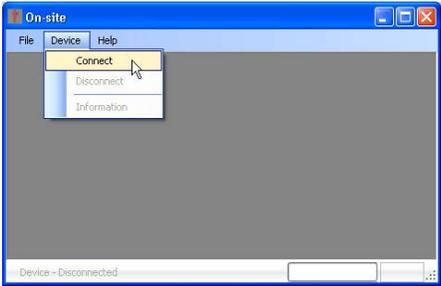
Opening Zedi On-site™



 zedi

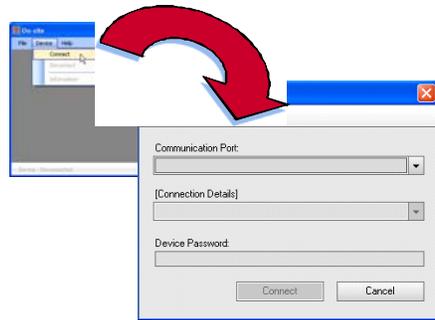
Notes:

Open Zedi On-site from either your desktop or your “Start” menu.

<p>Slide 29 Agenda Duration: 00:00:05 Advance mode: Auto</p>	<p>Agenda</p> <ul style="list-style-type: none"> • Loading Zedi On-site™ on your laptop • Connecting the battery • Opening Zedi On-site™ • Connecting to the device • Setting the mode • Configuring the device • Calibrating the device 	<p>Notes:</p> <p>Now we'll move on to connecting to the EFM WU device.</p>
<p>Slide 30 Connecting to the device using USB 2.0 Duration: 00:00:33 Advance mode: Auto</p>	<p>Connecting to the device using USB 2.0</p>  	<p>Notes:</p> <p>To initiate a connection using USB 2.0, you perform the following steps:</p> <ol style="list-style-type: none"> 1. Remove the field device's threaded front cover to expose the LCD and USB cable port. 2. Connect the mini plug to the connector on the device, and the other end of the cable into a free USB port on your laptop.
<p>Slide 31 Connecting to the device using USB 2.0 (cont.) Duration: 00:00:25 Advance mode: Auto</p>	<p>Connecting to the device using USB 2.0 (cont.)</p>  	<p>Notes:</p> <p>Now, to use Zedi On-site to initiate the connection, choose "Connect" from the "Device" menu.</p>

Slide 32
Connecting to the device using USB 2.0 (cont.)
Duration: 00:00:25
Advance mode: Auto

Connecting to the device using USB 2.0 (cont.)

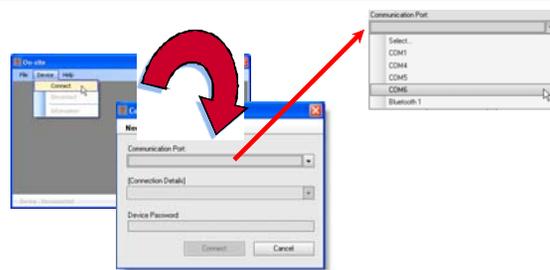


Notes:

1. The “Connect To Device ...” dialog box opens; this dialog box has a couple of drop-down menus, and a password field.

Slide 33
Connecting to the device using USB 2.0 (cont.)
Duration: 00:00:25
Advance mode: Auto

Connecting to the device using USB 2.0 (cont.)

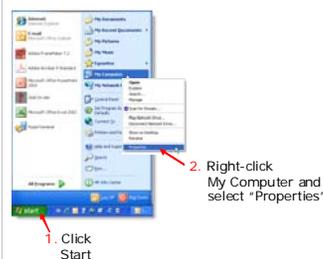


Notes:

1. Click on the “Communication Port” drop-down menu, and choose the appropriate COM port. This will typically be the highest-numbered port listed there, but you may need to experiment to find the right one for your laptop. (On the next slide, we’ll also show you one way to identify the correct port.)

Slide 34
Connecting to the device USB 2.0 — Determining which COM port to assign
Duration: 00:00:05
Advance mode: Auto

Connecting to the device USB 2.0 — Determining which COM port to assign



Notes:

If you’re really not sure which COM port to select, use this procedure:

1. Click on your computer’s “Start” menu.
2. Right-click the “My Computer” menu item, and select “Properties” from the menu that appears. Note that if you don’t have certain administrator privileges, you’ll be warned about this. That’s okay because we aren’t going to change anything, we’re just here to look.

Slide 35 Connecting to the device USB 2.0 — Determining which COM port to assign

Duration: 00:00:05
Advance mode: Auto

Connecting to the device USB 2.0 — Determining which COM port to assign



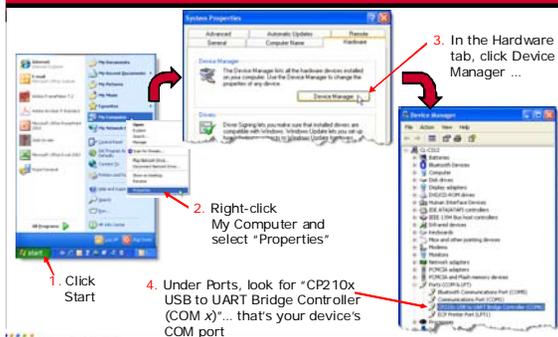
Notes:

If you're really not sure which COM port to select, select the "Hardware" tab from the dialogue box and click on the "Device Manager" button. This causes the Device Manager status list to be displayed.

Slide 36 Connecting to the device USB 2.0 — Determining which COM port to assign

Duration: 00:00:05
Advance mode: Auto

Connecting to the device USB 2.0 — Determining which COM port to assign



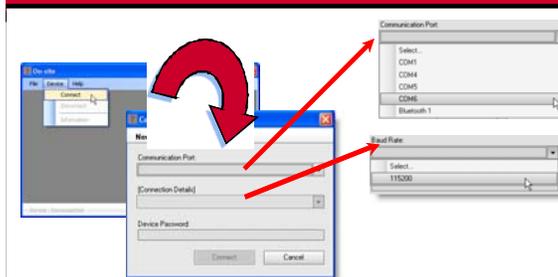
Notes:

1. Scroll down if you need to, and locate the item labeled "Ports (COM & LPT)". Expand the list by clicking on the small "plus sign" to the left of it.
2. In the expanded list, locate the entry "CP210x USB to UART Bridge Controller (COM x)". COM x is the COM port your PC uses to communicate with the EFM Walk-up; select that port from the Communication Port drop-down list when connecting with USB.

Slide 37 Connecting to the device using USB 2.0 (cont.)

Duration: 00:00:25
Advance mode: Auto

Connecting to the device using USB 2.0 (cont.)



Notes:

After determining which com port to use, click on the "Connection Details" drop-down menu, and choose "115200"

Slide 38
Connecting to the device using USB 2.0 (cont.)
Duration: 00:00:25
Advance mode: Auto

Connecting to the device using USB 2.0 (cont.)



Notes:

1. Enter your device password (typically “zedimaster”) in the “Device Password” field, and click the “Connect” button. This establishes communication with the device; now you can begin commissioning the device.

Slide 39
Setting the battery change date
Duration: 00:00:05
Advance mode: Auto

Setting the battery change date



Notes:

With a brand new EFM Walk-up™ device, once you connect to the device, you will immediately get this pop-up box. Click “OK”.

Slide 40
Agenda
Duration: 00:00:05
Advance mode: Auto

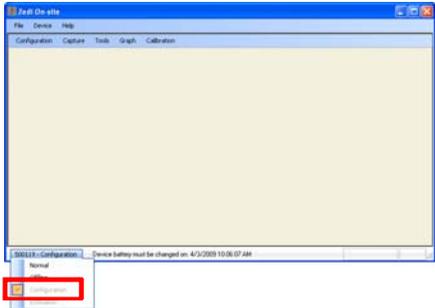
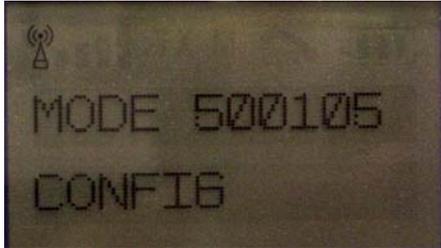
Agenda

- Loading Zedi On-site™ on your laptop
- Connecting the battery
- Opening Zedi On-site™
- Connecting to the device
- **Setting the mode**
- Configuring the device
- Calibrating the device



Notes:

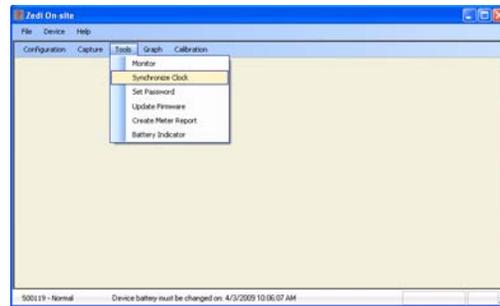
Once connected to the device, you need to set the mode of the device.

<p>Slide 41 Setting the mode Duration: 00:00:05 Advance mode: Auto</p>	<p style="background-color: red; color: white; padding: 5px; text-align: center;">Setting the mode</p>  <p style="text-align: center;"></p>	<p>Notes:</p> <p>The first step in the commissioning procedure is to set the mode to configuration. This is done by clicking on the mode menu in the lower left corner of the Zedi On-site screen. Select “Configuration” from this menu. You can now proceed with the commissioning of the EFM WU device.</p>
<p>Slide 42 Setting the mode Duration: 00:00:05 Advance mode: Auto</p>	<p style="background-color: red; color: white; padding: 5px; text-align: center;">Setting the mode</p>  <p style="text-align: center;"></p>	<p>Notes:</p> <p>The LCD on the device will also display the mode. You will see either “Normal”, “Configuration” or “Offline”, depending on what mode you selected.</p>
<p>Slide 43 Agenda Duration: 00:00:05 Advance mode: Auto</p>	<p style="background-color: red; color: white; padding: 5px; text-align: center;">Agenda</p> <ul style="list-style-type: none"> • Loading Zedi On-site™ on your laptop • Connecting the battery • Opening Zedi On-site™ • Connecting to the device • Setting the mode • Configuring the device • Calibrating the device <p style="text-align: center;"></p>	<p>Notes:</p> <p>After setting the device into configuration mode, you can proceed with the commissioning.</p>

Slide 44 Synchronizing the clock

Duration: 00:00:05
Advance mode: Auto

Synchronizing the clock



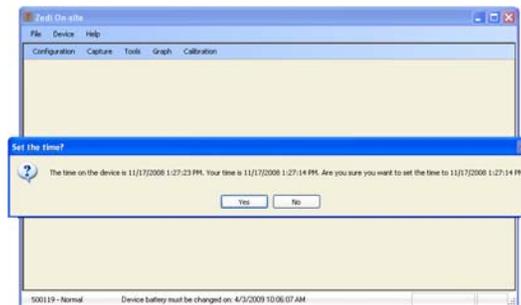
Notes:

The clock on the device needs to be synchronized with the clock on your laptop. To do this, select "Synchronize Clock" from the "Tools" menu.

Slide 45 Synchronizing the clock

Duration: 00:00:05
Advance mode: Auto

Synchronizing the clock



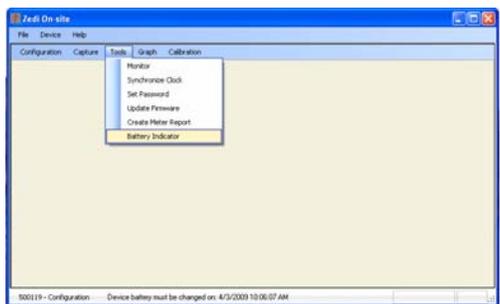
Notes:

You will get a prompt asking you to confirm that you want to set the time. Click "Yes" to set the time.

Slide 46 Battery indicator update

Duration: 00:00:05
Advance mode: Auto

Battery indicator update



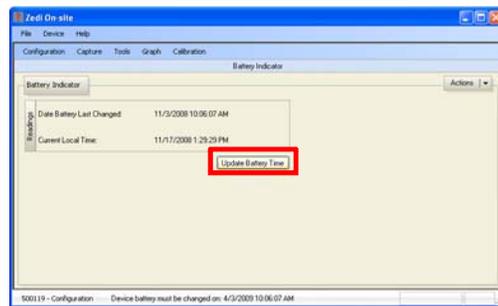
Notes:

You also need to update the battery change indicator. From the "Tools" menu, select "Battery Indicator".

Slide 47 Battery indicator update

Duration: 00:00:05
Advance mode: Auto

Battery indicator update



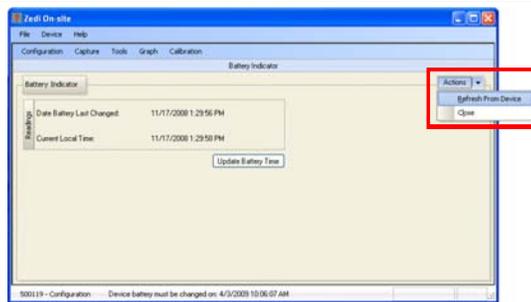
Notes:

On the "Battery Indicator" screen, click the "Update Battery Time" button.

Slide 48 Battery indicator update

Duration: 00:00:05
Advance mode: Auto

Battery indicator update



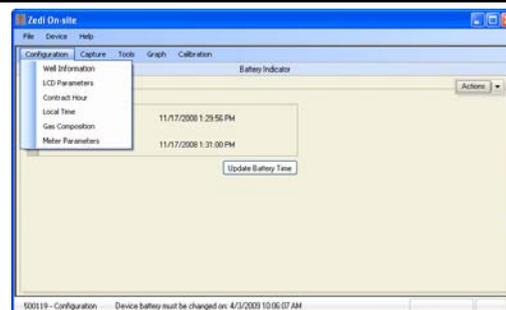
Notes:

After updating the battery time, select "Refresh from Device" from the Actions drop-down menu. Confirm that the "Date Battery Last Changed:" matches the current date.

Slide 49 Configuring the EFM Walk-up device

Duration: 00:00:05
Advance mode: Auto

Configuring the EFM Walk-up device



Notes:

The next steps in the commissioning of the device include going through each selection in the "Configuration" menu.

Slide 50
Configuration – Well Information
Duration: 00:00:05
Advance mode: Auto

Configuration – Well Information

zedi

Notes:
Select “Well Information” from the configuration menu.

Slide 51
Configuration – Well Information
Duration: 00:00:05
Advance mode: Auto

Configuration – Well Information

zedi

Notes:
Fill in the well identifier and the latitude and longitude. If you don't know the latitude and longitude, please leave it blank.

Slide 52
Configuration – Well Information
Duration: 00:00:05
Advance mode: Auto

Configuration – Well Information

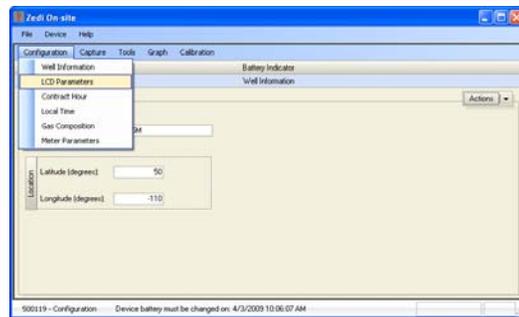
zedi

Notes:
After entering the well information, select “Save To Device” from the Actions drop-down menu. After saving to the device, click on “Refresh From Device”.

Slide 53 Configuration – LCD Parameters

Duration: 00:00:05
Advance mode: Auto

Configuration – LCD Parameters



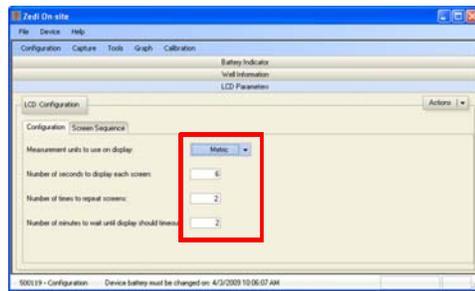
Notes:

After saving the well information to the device, select “LCD Parameters” from the Configuration menu. In this portion of the commissioning, you are telling the device how data is to be displayed on the device’s LCD screen.

Slide 54 Configuration – LCD Parameters

Duration: 00:00:05
Advance mode: Auto

Configuration – LCD Parameters



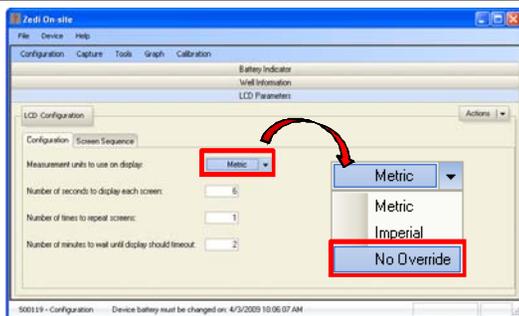
Notes:

On the configuration tab of LCD Parameters, you set how you want data to be displayed on the device’s LCD screen. Fill in the desired parameters on the configuration tab and then remember to select “Save to Device” from the Actions drop-down menu on the right side of the screen.

Slide 55 Configuration – LCD Parameters

Duration: 00:00:05
Advance mode: Auto

Configuration – LCD Parameters

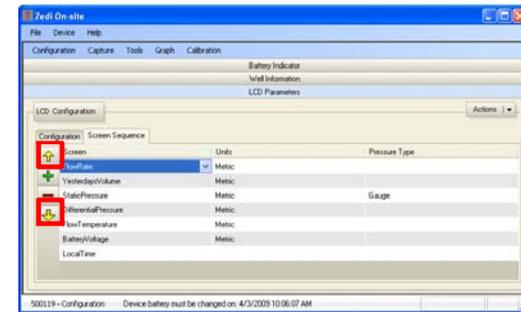


Notes:

****PLEASE NOTE:** You must select “No Override” for measurement units. If you do not choose this option, you will not be able to have both metric and imperial units displayed on the LCD.

Slide 56
Configuration – LCD Parameters
Duration: 00:00:05
Advance mode: Auto

Configuration – LCD Parameters

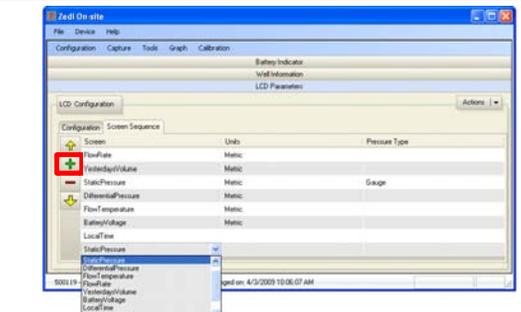


Notes:

On the “Screen Sequence” tab, you set what data are to be displayed on the device’s LCD screen. Here you determine what sensors are to be displayed and in which order they will appear. To change the order of the display, click on a sensor and then click on the up or down arrows to move the sensor into the position you desire.

Slide 57
Configuration – LCD Parameters
Duration: 00:00:05
Advance mode: Auto

Configuration – LCD Parameters

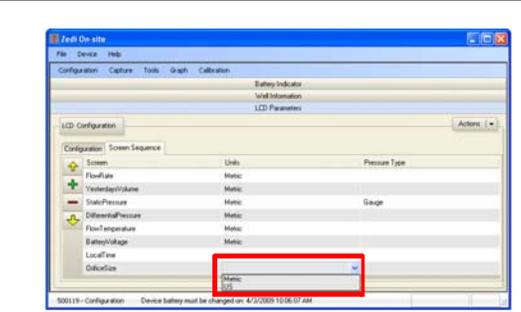


Notes:

To add a new sensor to the display sequence, click on the “+” sign. A new sensor will appear at the bottom of the list. Click on that sensor and a down arrow will appear. Click on the down arrow and select the desired sensor from the choices that appear. If you wish to change the order of the new sensor’s appearance, select it and then click the yellow arrows up or down to put it in the correct position in the screen sequence.

Slide 58
Configuration – LCD Parameters
Duration: 00:00:05
Advance mode: Auto

Configuration – LCD Parameters



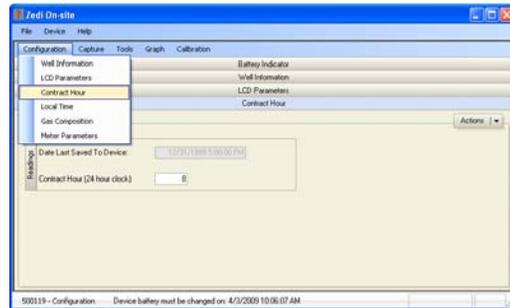
Notes:

To change the unit of measurement for the displayed sensors, click on the desired unit of measurement, and then the down arrow that appears. Select the correct unit of measurement from the list that appears. After you complete all the desired screen sequence changes, don’t forget to select “Save to Device” from the “Actions” drop-down menu on the right side of the screen.

Remember, if you did not select “No Override” when determining what units of measurement to use on the configuration tab, any unit of measurement you select here will not make a difference.

Slide 59
Configuration – Contract Hour
Duration: 00:00:05
Advance mode: Auto

Configuration – Contract Hour

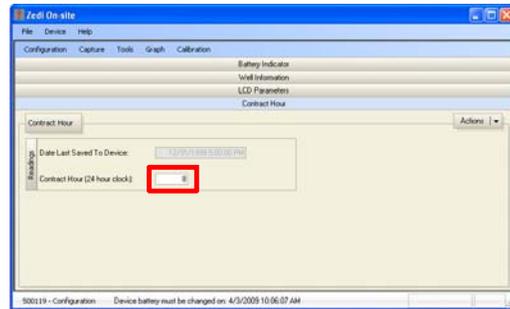


Notes:

We are going to continue working our way down the configuration menu. The next step is to set the customer's contract hour. Select "Contract Hour" from the configuration menu.

Slide 60
Configuration – Contract Hour
Duration: 00:00:05
Advance mode: Auto

Configuration – Contract Hour

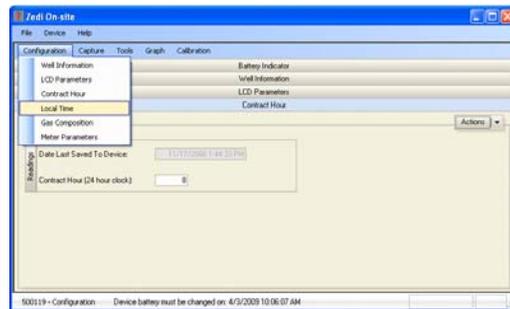


Notes:

Enter the customer's contract hour in the contract hour field. Remember that this is a 24-hr clock. Select "Save to Device" from the "Actions" drop-down menu on the right side of the screen. After you do this, the date last saved to device field will update.

Slide 61
Configuration – Local Time
Duration: 00:00:05
Advance mode: Auto

Configuration – Local Time



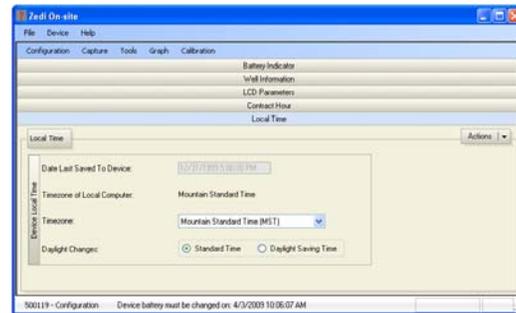
Notes:

We are going to continue working our way down the configuration menu. The next step is to set the local time. Select "Local Time" from the configuration menu.

Slide 62 Configuration – Local Time

Duration: 00:00:05
Advance mode: Auto

Configuration – Local Time



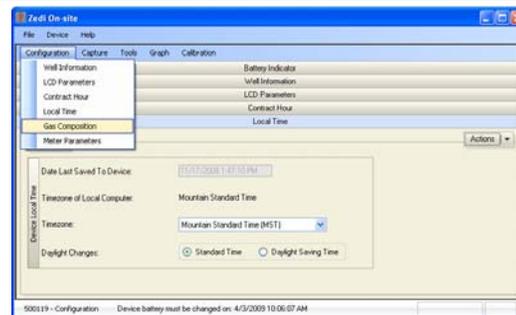
Notes:

Confirm the timezone and daylight settings and then select “Save to Device” from the “Actions” drop-down menu on the right side of the screen. After you do this, the date last saved to device field will update.

Slide 63 Configuration – Gas Composition

Duration: 00:00:05
Advance mode: Auto

Configuration – Gas Composition



Notes:

The next step is to enter the gas composition. Select “gas composition” from the configuration menu.

Slide 64 Configuration – Gas Composition

Duration: 00:00:05
Advance mode: Auto

Configuration – Gas Composition



You must select the “Detailed” option if entering a complete gas analysis.

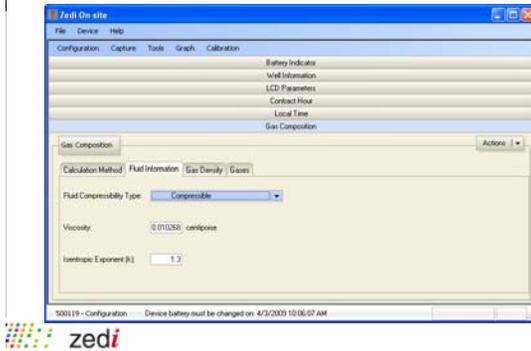


Notes:

Select the “Calculation Method” tab and click the down arrow. You need to select the “AGA-8 (1992) Detailed” option. And then select “Save to Device” from the “Actions” drop-down menu on the right side of the screen. After saving to the device, select “Refresh from Device” from the “Actions” drop-down menu.

Slide 65
Configuration – Gas Composition
 Duration: 00:00:05
 Advance mode: Auto

Configuration – Gas Composition

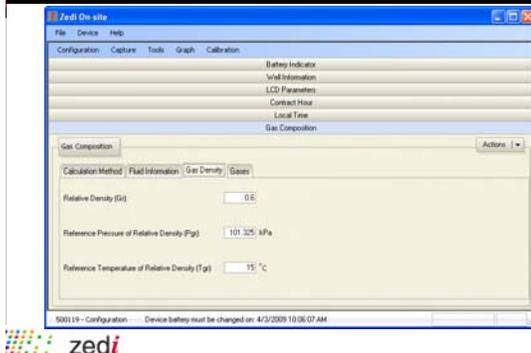


Notes:

Then, move on to the “Fluid Information” tab. You shouldn’t change any of the numbers unless told otherwise by the customer. Even though you haven’t changed any numbers, you still need to select “Save to Device” from the “Actions” drop-down menu on the right side of the screen. After saving to the device, select “Refresh from Device” from the “Actions” drop-down menu.

Slide 66
Configuration – Gas Composition
 Duration: 00:00:05
 Advance mode: Auto

Configuration – Gas Composition

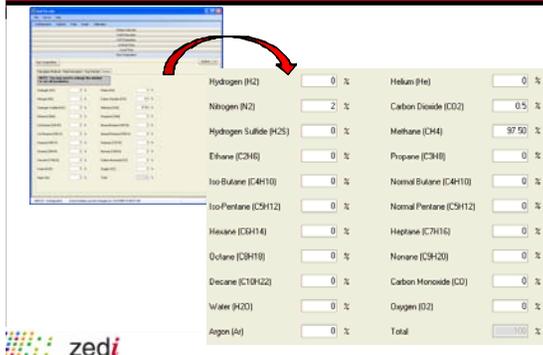


Notes:

Next, go to the “Gas Density” tab. Again, you shouldn’t change any of the numbers unless told otherwise by the customer. And you still need to select “Save to Device” from the “Actions” drop-down menu on the right side of the screen. After saving to the device, select “Refresh from Device” from the “Actions” drop-down menu.

Slide 67
Configuration – Gas Composition
 Duration: 00:00:05
 Advance mode: Auto

Configuration – Gas Composition



Notes:

Next, move to the “Gases” tab. The gas composition must be entered as percentages and the total must add up to 100%. Please note that you may have to resize the window in order to see all of the fields. After entering the gas analysis, select “Save to Device” from the “Actions” drop-down menu on the right side of the screen. After saving to the device, select “Refresh from Device” from the “Actions” drop-down menu.

Slide 68
Configuration – Meter Parameters
Duration: 00:00:05
Advance mode: Auto

Configuration – Meter Parameters



Notes:

The final step in the Configuration menu is to select “Meter Parameters”.

Slide 69
Configuration – Meter Parameters
Duration: 00:00:05
Advance mode: Auto

Configuration – Meter Parameters

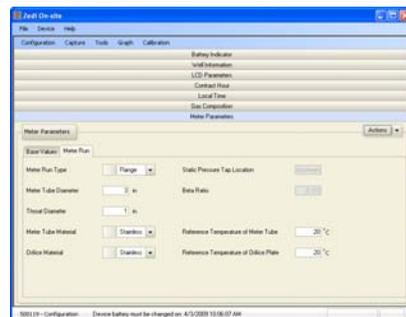


Notes:

On the “Base Values” tab, the only fields that should be changed are the atmospheric pressure and the low flow cutoff. After entering this information, select “Save to Device” from the “Actions” drop-down menu on the right side of the screen. After saving to the device, select “Refresh from Device” from the “Actions” drop-down menu.

Slide 70
Configuration – Meter Parameters
Duration: 00:00:05
Advance mode: Auto

Configuration – Meter Parameters



Notes:

On the “Meter Run” tab, you can choose from etube or flange for the meter run type. If you choose etube, you will not be able to change the meter tube and orifice material fields. You will need to change the reference temperatures to 23°. This is stamped on the etube itself. Enter in the applicable information and then select “Save to Device” from the “Actions” drop-down menu on the right side of the screen. After saving to the device, select “Refresh from Device” from the “Actions” drop-down menu.

Slide 71 Agenda

Duration: 00:00:05
Advance mode: Auto

Agenda

- Loading Zedi On-site™ on your laptop
- Connecting the battery
- Opening Zedi On-site™
- Connecting to the device
- Setting the mode
- Configuring the device
- **Calibrating the device**



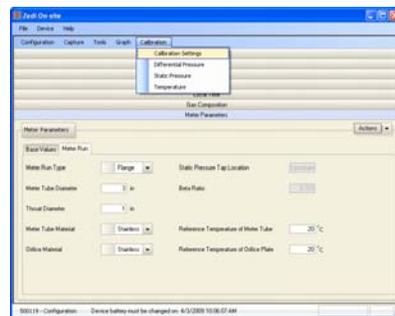
Notes:

Now that the device has been configured, we can move on to calibrating it.

Slide 72 Calibration – Calibration Settings

Duration: 00:00:05
Advance mode: Auto

Calibration – Calibration Settings



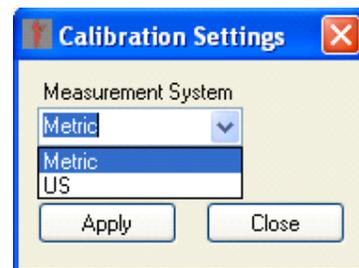
Notes:

From the “Calibration” menu, select “Calibration Settings”.

Slide 73 Calibration – Calibration Settings

Duration: 00:00:05
Advance mode: Auto

Calibration – Calibration Settings

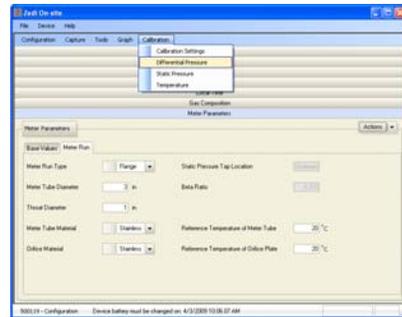


Notes:

Choose from Metric or US and then click “Apply” and then “Close”. Do not wait for any confirmation window to pop up. There isn’t one.

Slide 74
Calibration – Differential Pressure
 Duration: 00:00:05
 Advance mode: Auto

Calibration – Differential Pressure

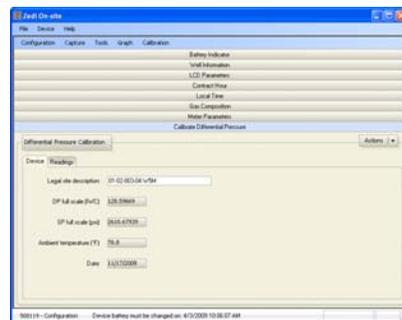


Notes:

After selecting the calibration settings, select “Differential Pressure” from the calibration menu.

Slide 75
Calibration – Differential Pressure
 Duration: 00:00:05
 Advance mode: Auto

Calibration – Differential Pressure

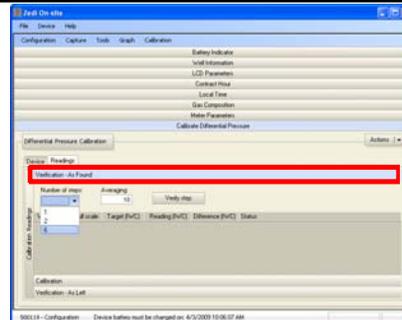


Notes:

Confirm that the correct location is entered in the legal site description field. Changes or updates here do not need to be saved to the device. They are saved automatically.

Slide 76
Calibration – Differential Pressure
 Duration: 00:00:05
 Advance mode: Auto

Calibration – Differential Pressure



Notes:

On the “Readings” tab, there are 3 different calibration readings pages to go through in order to calibrate the differential pressure correctly. They are Verification-As Found, Calibration, and Verification-As Left. You need to perform the same basic steps on each page. Select the “Verification-As Found” page to do the pre-calibration verification.

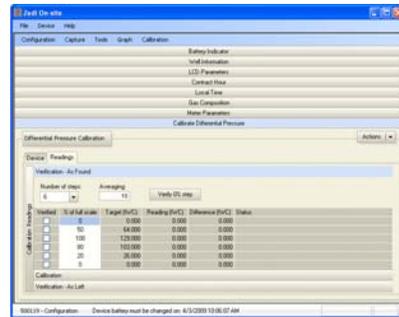
Set the number of steps to 6.

We recommend setting the averaging to 10 to take 10 readings for each step. The 10 readings will be averaged into one reading.

Slide 77 Calibration – Differential Pressure

Duration: 00:00:05
Advance mode: Auto

Calibration – Differential Pressure



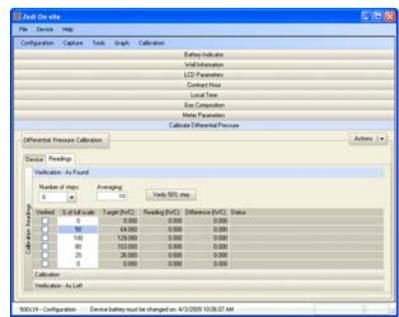
Notes:

To begin the pre-calibration verification, click on the first zero. When the unit is opened to atmosphere, or no pressure applied, click the “Verify 0% step” button. The status column to the right will immediately let you know which readings are being taken. After the 10 readings are taken, the “Reading” column will be populated. The “Difference” column lets you know if that point needs calibration.

Slide 78 Calibration – Differential Pressure

Duration: 00:00:05
Advance mode: Auto

Calibration – Differential Pressure



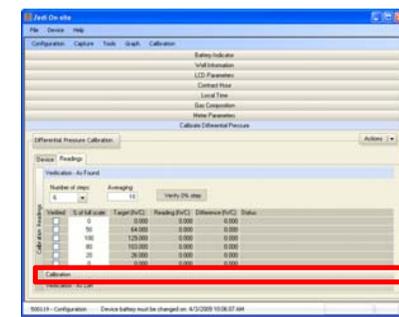
Notes:

Next, click on the 50% row. Note that each time you click on a different row, the “Verify step” button changes to indicate that it is verifying the step you have selected. Once you have reached the desired pressure on your test standard, click on the verify button. Repeat these steps until you have completed the “Verification-As Found”.

Slide 79 Calibration – Differential Pressure

Duration: 00:00:05
Advance mode: Auto

Calibration – Differential Pressure



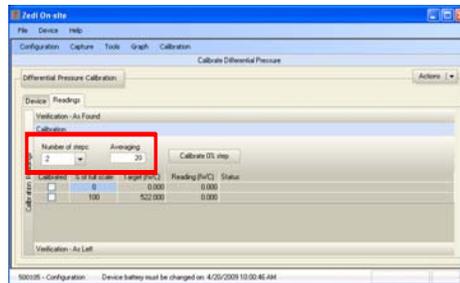
Notes:

If you have found that the EFM WU device needs calibrating, click on the “Calibration” bar.

Slide 80 Calibration – Differential Pressure

Duration: 00:00:05
Advance mode: Auto

Calibration – Differential Pressure



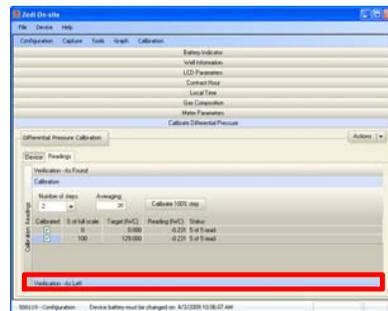
Notes:

Set the number of steps to 2 and we suggest that the averaging be set to 20. Repeat the steps that were outlined in the “Verification-As Found” step.

Slide 81 Calibration – Differential Pressure

Duration: 00:00:05
Advance mode: Auto

Calibration – Differential Pressure



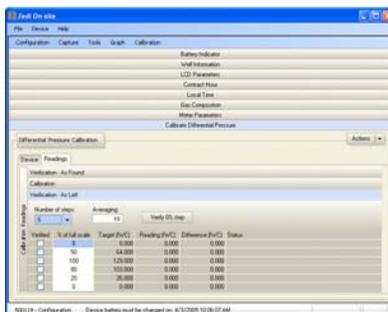
Notes:

After completing the calibration readings, click on the “Verification-As Left” bar.

Slide 82 Calibration – Differential Pressure

Duration: 00:00:05
Advance mode: Auto

Calibration – Differential Pressure

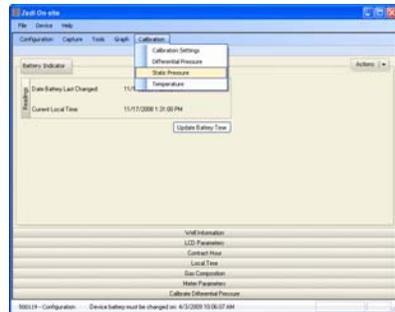


Notes:

Repeat the same procedure as for the “Verification-As Found” step. Set the number of steps to 6 and we suggest that the averaging be set to 10. Complete the “Verification-As Left”.

Slide 83
Calibration – Static Pressure
Duration: 00:00:05
Advance mode: Auto

Calibration – Static Pressure



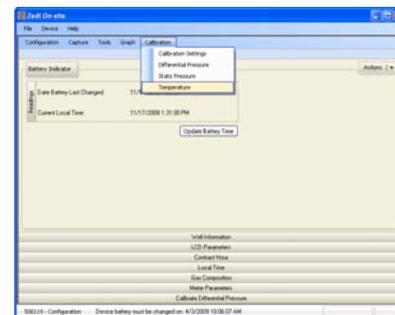
Notes:

After calibrating the differential pressure, select “Static Pressure” from the “Calibration” menu.

The Zedi On-site steps involved in calibrating the static pressure are identical to those for calibrating the differential. Go ahead with calibrating the static pressure.

Slide 84
Calibration – Temperature
Duration: 00:00:05
Advance mode: Auto

Calibration – Temperature

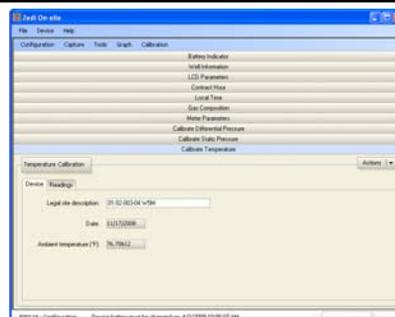


Notes:

After completing the static pressure calibration, select “Temperature” from the “Calibration” menu.

Slide 85
Calibration – Temperature
Duration: 00:00:05
Advance mode: Auto

Calibration – Temperature

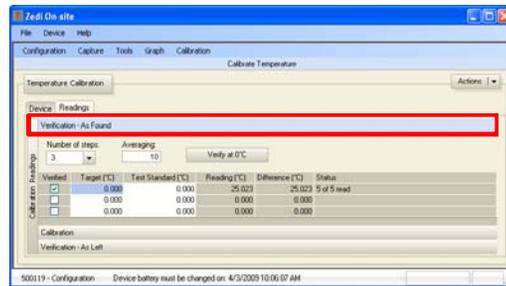


Notes:

On the “Device” tab, confirm that the correct location is entered in the legal site description field. Then click on the “Readings” tab.

Slide 86
Calibration – Temperature
Duration: 00:00:05
Advance mode: Auto

Calibration – Temperature

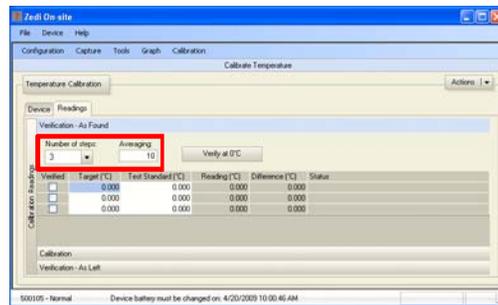


Notes:

Click on the “Verification-As Found” bar.

Slide 87
Calibration – Temperature
Duration: 00:00:05
Advance mode: Auto

Calibration – Temperature

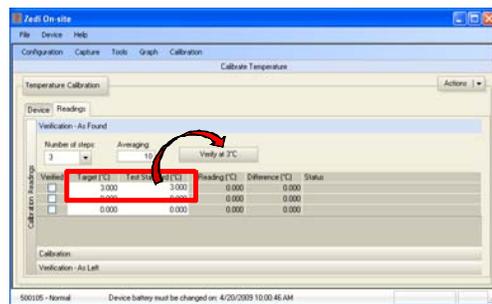


Notes:

Select 3 for the number of steps and we suggest that the averaging be set to 10.

Slide 88
Calibration – Temperature
Duration: 00:00:05
Advance mode: Auto

Calibration – Temperature



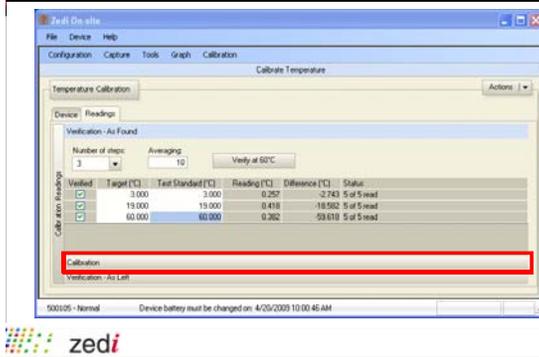
Notes:

Enter your first target temperature and test standard. Note that the “Verify” button reflects the temperature you have entered. Click the “Verify” button. As with calibrating the differential and static pressures, the status column lets you know which readings are being taken.

Repeat this procedure for ambient and hot temperatures.

Slide 89
Calibration – Temperature
 Duration: 00:00:05
 Advance mode: Auto

Calibration – Temperature

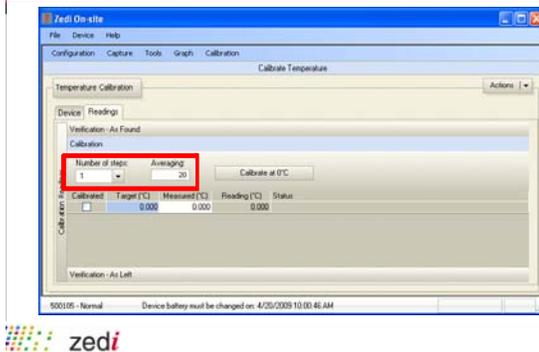


Notes:

After the 3 steps have been verified, click on the “Calibration” bar.

Slide 90
Calibration – Temperature
 Duration: 00:00:05
 Advance mode: Auto

Calibration – Temperature

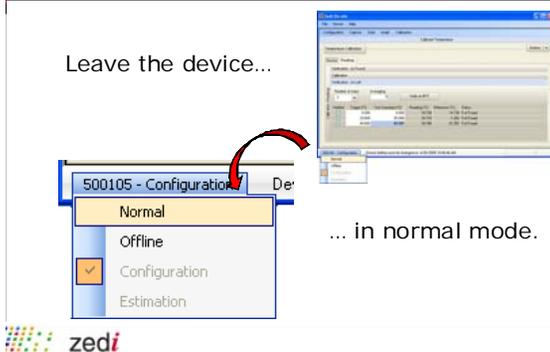


Notes:

Set the number of steps to 1 and we suggest that the averaging be set to 20. Go ahead and calibrate the device. After calibrating it, go to “Verification – As Left” and repeat the procedure for “Verification – As Found”.

Slide 91
Leaving the device in normal mode
 Duration: 00:00:05
 Advance mode: Auto

Leaving the device in normal mode



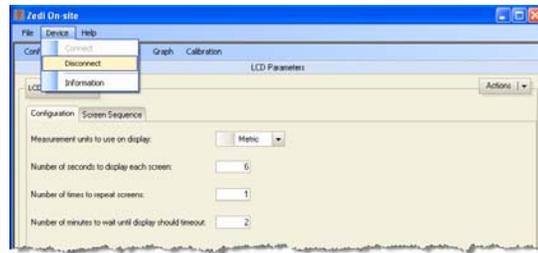
Notes:

Before exiting Zedi On-site on your laptop, ensure that you change the mode from configuration to normal mode. This is very important as the device will not perform any measurement unless it is in normal mode. In addition, the battery will be depleted very quickly if it is left in configuration mode.

Slide 92 Closing Zedi On-site™

Duration: 00:00:05
Advance mode: Auto

Closing Zedi On-site™



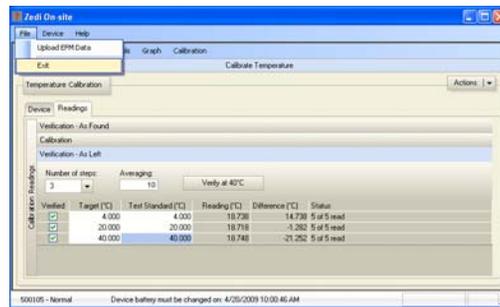
Notes:

To close Zedi On-site, you need to perform 3 steps. This first is to choose “Disconnect” from the “Device” menu.

Slide 93 Closing Zedi On-site™

Duration: 00:00:05
Advance mode: Auto

Closing Zedi On-site™



Notes:

The next step is to choose “Exit” from the “File” menu.

Slide 94 Closing Zedi On-site™

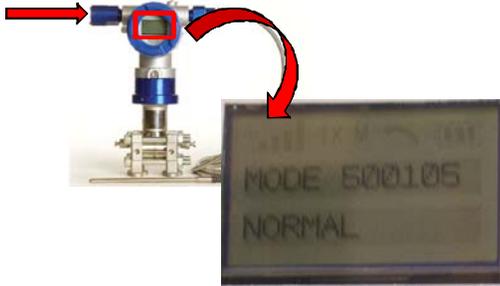
Duration: 00:00:05
Advance mode: Auto

Closing Zedi On-site™



Notes:

The 3rd step is to locate the Zedi Onsite icon in your system tray (or notification area). Right-click on the icon.

<p>Slide 95 Closing Zedi On-site™ Duration: 00:00:05 Advance mode: Auto</p>	<p>Closing Zedi On-site™</p>  <p>zedi</p>	<p>Notes:</p> <p>From the pop-up box that appears, choose “Close Zedi On-site”. If you don’t do this step, the program will remain active in the background. Consequently, it will keep your laptop from shutting down normally.</p>
<p>Slide 96 Before leaving the site... Duration: 00:00:05 Advance mode: Auto</p>	<p>Before leaving the site...</p>  <p>zedi</p>	<p>Notes:</p> <p>As one last check before leaving the site, press the side button and make sure the LCD indicates that the unit is in normal mode.</p>
<p>Slide 97 Zedi Virtual Workshops Duration: 00:00:05 Advance mode: Auto</p>	<p>Zedi Virtual Workshops</p> <p>Zedi offers 4 other Virtual Workshops.</p> <ul style="list-style-type: none"> -Operator Best Practices -User Manager -Reporting with Smart-Alek -Alarm Manager <p>Please register at www.zedi.ca or email us at training@zedi.ca.</p> <p>zedi</p>	<p>Notes:</p>

Slide 98 Contact Information

Duration: 00:00:05
Advance mode: By
user

Contact Information

Contractor Support

If you would like to speak
directly to a Support
Representative, please call:
1-877-428-6360 or
Email **support@zedi.ca**



Notes:

Closing Remarks

- Well, that ends our Virtual Workshop.
Thank you to everyone who attended. We're glad you could join us, and hope the session was helpful for you.
- Finally, please know that we're available for additional technical support after this workshop. Feel free to contact us via phone or email if we can be of additional assistance.
- Thank you again, and enjoy the rest of your day.