

# RS-Caliper

## Operation Manual



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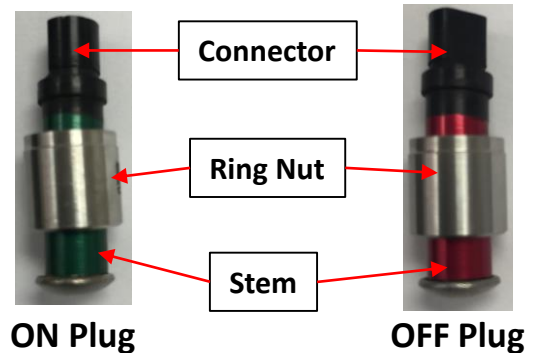
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# Turning ON Tool

- The tool ships with the OFF plug installed

- To remove the OFF plug, gently un-screw the Ring Nut till the nut is completely disengaged and pull on the Stem of the OFF plug to remove it from the tool



**Any twisting action on the Stem of the plugs could cause severe damage to the tool**

- Insert the ON plug into the same location from where the OFF plug was removed.
- Match the Orientation of the connector to the tool and insert the ON plug to the tool.
- Engage the Ring Nut and hand tighten it around the tool connector



# Laptop Setup


- Boot up the PC

- Insert USB Dongle



- Insert Flash Drive



- If AutoPlay screen shows up – Select “Open Folder to View Files”  
(If AutoPlay doesn’t show up, open Folders  and browse to “RS-Caliper” Drive

- Open RS-Caliper.exe



RS-Caliper.exe

- Click Yes on the following prompt

- The program will open as shown below with the “Home Screen” shown

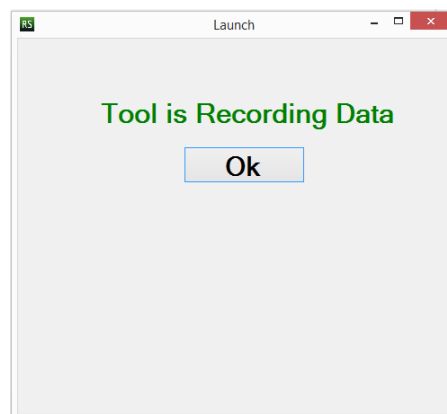


# Start Recording

Prior to Launching the tool in the pipeline – Click on “Start” button as shown below from the Home screen



The software will establish communication and will display “Tool Launched” as shown below when the tool is launched. The tool is ready to be inserted in the pipeline



Close the software, File explorer window and put the computer to sleep or shutdown. Unplug the USB devices from the laptop



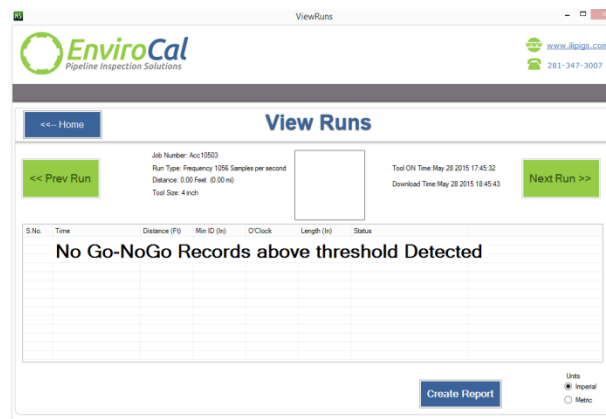
# Stop Recording

After the tool is retrieved from the pipeline, Boot up the Laptop, connect the dongle and USB Flash drive. Open the software

Click on “Stop” button as shown below –



After the preliminary Download is complete, you will see the list of restrictions above threshold along with vital run information such as distance recorded etc.



# Extract Tool Data and Upload

- This process downloads the entire tool's memory, processes it and uploads it to EnviroCal's Data Server
- There is a download cable plug-in provision provided in the rear part of RS-Caliper tools.
- Remove the ON Plug following the instructions on Page 2 and Insert the Download cable at the same location on the tool
- The Download cable doesn't have a lock ring
- From the Home screen – Click on "Upload" button

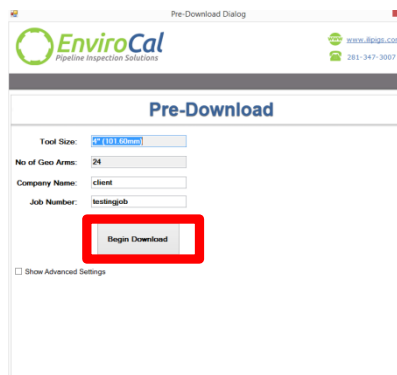


# Extract Tool Data ... Contd

- A prompt with all the necessary connection to be made will be shown. Confirm all connections are made and click on Begin button



- Another prompt with Run information will be displayed. There is no need to change anything in this screen. Press Begin Download button

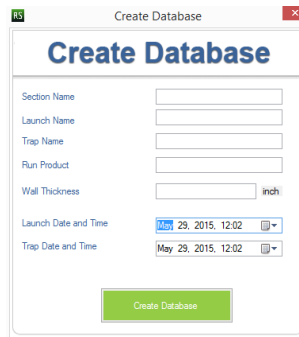


- The software will launch several windows and will prompt a message “You may turn OFF tool now”. At this point the tool maybe turned off, the USB cable maybe disconnected and the tool packed up



# Extract Tool Data ... Contd

- Next prompt would be a form that requests for Run Information – Please fill in the information



The screenshot shows a web-based form titled "Create Database". The form includes the following fields and controls:

- Section Name: Text input field
- Launch Name: Text input field
- Trap Name: Text input field
- Run Product: Text input field
- Wall Thickness: Text input field with a unit dropdown menu set to "inch"
- Launch Date and Time: Date and time picker set to "May 29, 2015, 12:02"
- Trap Date and Time: Date and time picker set to "May 29, 2015, 12:02"
- A green "Create Database" button at the bottom center.

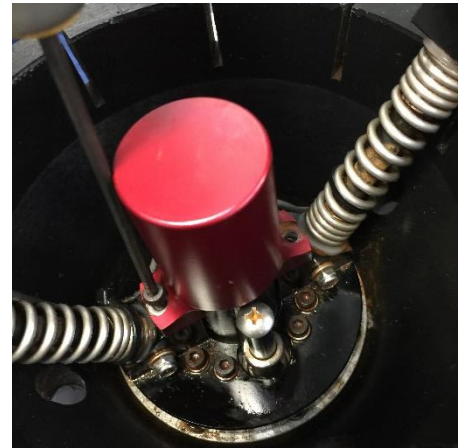
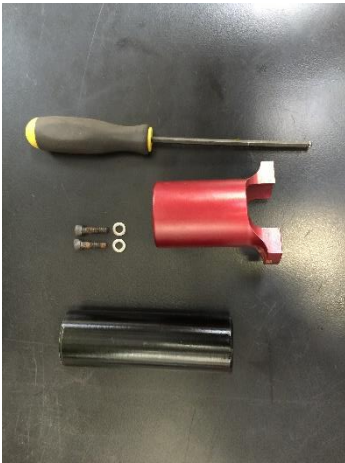
- This process will be followed by Zipping the data files and Upload data to the EnviroCal's data server
- If internet is not available or gets interrupted during the upload process and / or the uploader crashes, please contact EnviroCal when internet is available, so the data maybe uploaded manually.





# Appendix – 6” Transmitter

- 6” RS-Caliper tool is shipped with a Disposable RS-Transmitter
- The transmitter cavity is located in the rear of the tool held by two bolts



- After installing the ON plug as described on Page 2, Remove the transmitter from its shipping sleeve and insert into the center of the rear of the tool as shown in picture above.
- Insert the metal sleeve around the transmitter and secure the metal sleeve with two bolts provided.



# Appendix – Error Messages

- “Insert RS-Caliper Dongle”
  - Refer to Section 1 “Preparation” and make sure the green colored dongle is inserted and wait for 2 minutes.
  - If dongle is already inserted, follow section 8, restart computer, then section 1 and then section 2, in that order.
  - Contact EnviroCal if problem persists.
- “Tool Not Found”
  - Bring the tool closer to the computer.
  - If already close, follow section 8, restart computer, then section 1 and then section 2, in that order.
  - Contact EnviroCal if problem persists.
- “Config File not found”
  - Very unlikely message. Follow section 1 and section 2.
  - If that doesn’t help, restart computer and follow section 8, restart computer, then section 1 and then section 2, in that order.
  - Contact EnviroCal if problem persists.
- “Unable to Write Records”
  - Restart computer and try again.
  - Contact EnviroCal if problem persists.
- “Tool NOT Launched”
  - Bring Tool closer to the computer and try again.
  - If that doesn’t help, , follow section 8, restart computer, then section 1 and then section 2, in that order.
  - Contact EnviroCal if problem persists.
- “Config Files Not Updated - Tool Successfully Launched”
  - Contact EnviroCal.

