

MP TROLL 9500 QUICK START GUIDE

Your new Multi-Parameter TROLL 9500 arrives with the following installed:

- Removable Basic sensors pH, ORP, Polarographic Dissolved Oxygen, Conductivity (as required)
- Alkaline batteries—if shipped with Polarographic DO sensor, to keep the sensor conditioned
- Permanent sensors Barometric Pressure, Temperature, Pressure/Level (optional), Turbidity (optional)

The Cal Cup is attached with water in the bottom to keep the sensors hydrated



1 Install **Win-Situ® 4** to your local hard drive from the In-Situ software CD or the In-Situ website.
Optional: Install the desktop component of Pocket-Situ 4 to the same computer. Then use the In-Situ Software Manager to install it on the RuggedReader® at your next ActiveSync® connection.



Tip: If using a USB TROLL Com, be sure to select the option "Install USB TROLL Com Drivers" when installing Win-Situ.

2 Install batteries:
A Remove battery compartment cover
B Insert batteries
C Replace cover and tighten



3 Attach a TROLL Com to the TROLL 9500 or to its cable.



Mating the Twist-Lock connectors is easy after you do it once. Detailed steps and photos are on the back of this Quick Start Guide.

4 Plug the TROLL Com into a USB or serial port on a desktop/laptop PC, or into the serial port on a RuggedReader handheld PDA.



Tip: After plugging in a USB TROLL Com, follow the prompts to install the drivers. Then use Windows® Device Manager to determine which COM port the USB TROLL Com is using.



5 Launch the software—
Win-Situ: Double-click the desktop shortcut . OR

OR

Pocket-Situ: Tap the Start menu, tap Pocket-Situ 4



*On first connection, be sure to select the correct COM port for a USB connection. Set up the port for a Direct connection to **One** device at **19200** baud.*

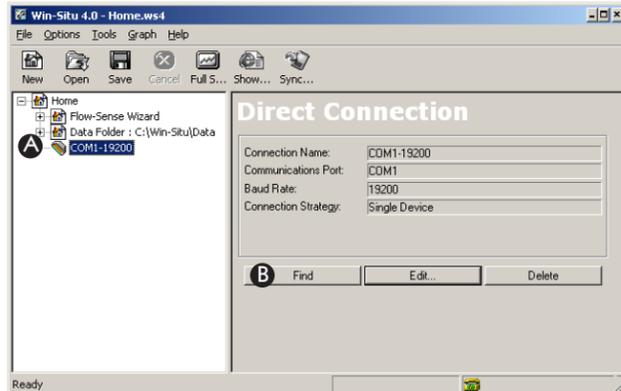


*TIP: Set up the port with a **Direct** connection to **One** device at **19200** baud*

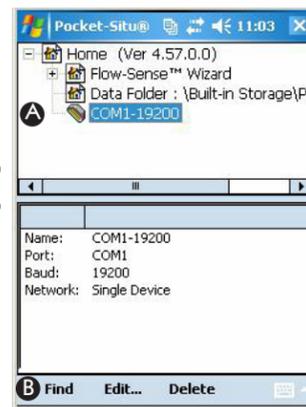
6 Connect to the TROLL 9500—

A Highlight the **COM** port in the Navigation tree
B Click or tap **Find**

Win-Situ 4

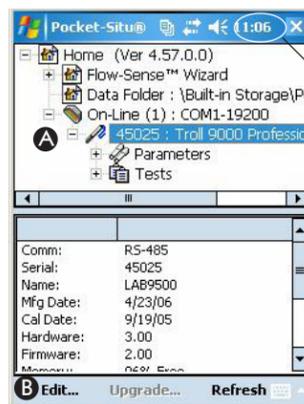


Pocket-Situ 4



7 When connected, the device appears in the Navigation tree below the COM port. Select the TROLL and set its clock—

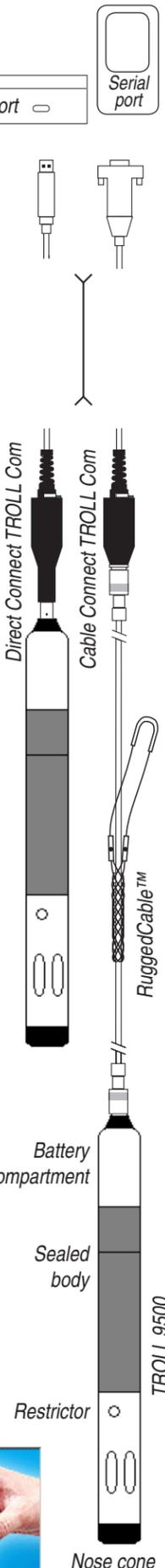
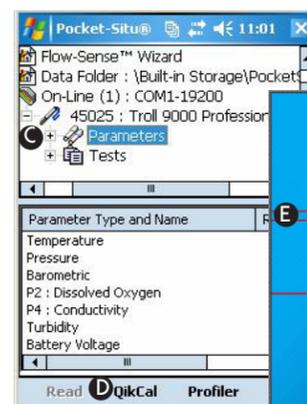
- Select the TROLL. The software retrieves and displays information about the device and all installed sensors. This can take a moment . . .
- Select **Edit**
- In the next screen, select the **Clock** option
- Follow the Wizard to synchronize the device clock with the PC clock



RuggedReader clock. Set it first if wrong (Start Menu > Settings > System tab > Clock)

8 Quick-Cal the Basic water quality sensors

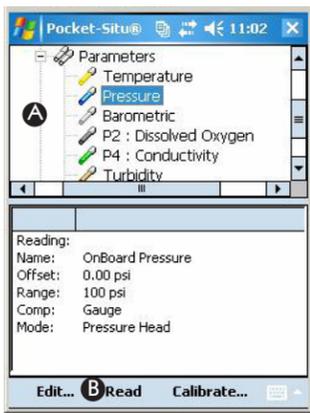
- Detach the Cal Cup. Empty out liquid and remove small sponge (if present). Rinse sensors with DI water
- Fill Cal Cup to the line with Quick Cal solution and re-attach—not too tight
- Establish software connection as above. Select Parameters in the Navigation tree
- Click or tap **Quick Cal**. Select sensors to calibrate. Click or tap **Run** to start pH, ORP, and Conductivity calibration
- For Polarographic DO:** Turn probe upside-down and pour out some solution so DO sensor membrane is in air and temperature sensor is completely covered. Re-attach cap loosely. Select vented cable or supply barometric pressure for accurate results. Select **Run** to complete DO calibration. Details are in Section 3 of the Operator's Manual
- Remove Cal Cup, pour out the Quick Cal solution, rinse the front end of the probe, and attach the restrictor



9 Read parameters

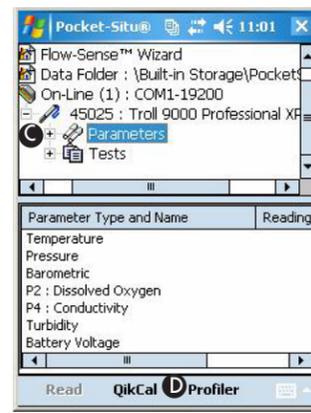
Single reading:

- A Select any parameter
- B Select Read



Continuous real-time readings (Profiling):

- A Tap Parameters
- B Tap Profiler



TIP: To change data display Units:
Win-Situ: select the Options menu, select Preferences
Pocket-Situ: tap Home, tap Setup at the bottom of the screen

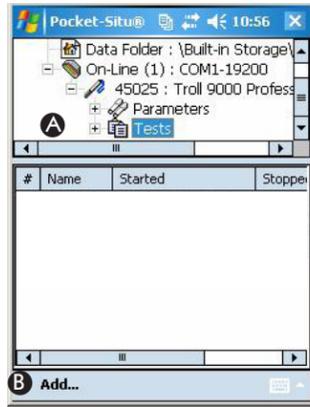


Use a Cable Connect TROLL Com for Profiling. The Direct Connect models are not designed for submersion.



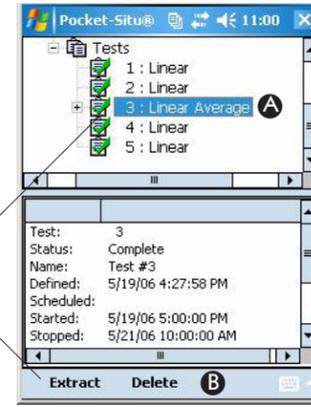
10 Log Data—First, set up a test:

- A Select Tests
 - B Click or tap Add
 - C Follow the Wizard
- When finished, the test is added to the Navigation tree



Start, stop, extract (copy to the PC/PDA), or delete a test from the TROLL:

- A Select a test
 - B Select an action
- Available actions depend on test status



Tap a test
 Tap an action



TIP: To view data, select the test (while running or at end), select **Extract**, then **View**.

11 If real-time readings are not required, remove the TROLL Com from the cable after programming.

- When using cable in the field, protect the "uphole" end with a large or small desiccant or cable dust cap
- For field use without cable, attach a Twist-Lock Hanger to the TROLL 9500 body



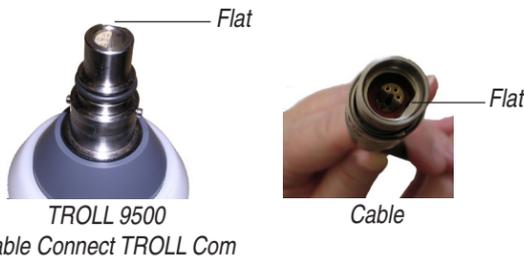
The red cable dust cap is not waterproof. Be sure it is positioned above the highest anticipated water level. Avoid areas that may flood.



Twist-Lock Connectors

Mating the Twist-Lock connectors is easy after you do it once to get a feel for the process.

Note that each connector has a flat side.



Note the pins on the body connector (one on each side) and the slots on the cable connector (one on each side).



To mate the connectors:

- 1 Slide back the sleeve on the cable connector.
- 2 Orient the "flats" so they will mate up, and insert the body connector firmly into the cable connector.
- 3 Slide the sleeve on the cable connector toward the body until the pin on the body pops into the round hole in the slot on the cable connector.
- 4 Grasp the cable connector in one hand and the MP TROLL 9500 in the other. Push and twist firmly so that the pin slides along the slot and snaps securely into the hole at the other end.

