



Information Sheet

Catalog No. 0052510

**USB TROLL[®] COM
 DIRECT CONNECT**

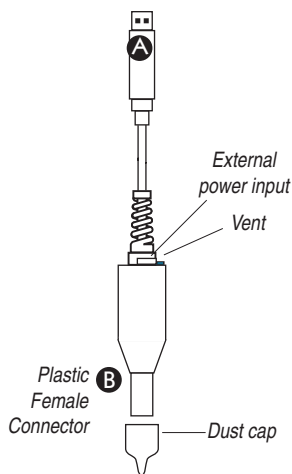
APPLICATION

Communication interface between a Level TROLL, Aqua TROLL, or MP TROLL 9500 and a desktop/laptop computer running Microsoft[®] Windows[®] 2000 or higher. Includes external power jack and vent with replaceable membrane. Connects directly to the instrument for indoor use while programming/downloading the device.

PHYSICAL DESCRIPTION

Materials Delrin[®], nylon, Viton[®], polyurethane
 Environmental rating Not designed for submersion
 Dimensions 3.2 cm (1.25 in) O.D., 16.3 cm (6.4 in) long , including strain relief

Input
 Level TROLL, Aqua TROLL: RS485 Modbus
 MP TROLL 9500: RS485
 Output USB Type A
 DC power plug 5.5 mm O.D., 2.1 mm I.D., center positive
 External power input
 Level TROLL, Aqua TROLL: 8 to 36 VDC
 MP TROLL 9500: 16 VDC Maximum
 Cable Black polyurethane, 91 cm (3 ft) long
 Operating temperature -20°C to 50°C (-4°F to 122°F)
 Storage temperature -20°C to 80°C (-4°F to 176°F)



CONNECTIONS

- A** Connects to a USB port
- B** Female connector mates directly with the instrument back end

INSTALLATION—HARDWARE

Attach via snap-on connection to the TROLL back end

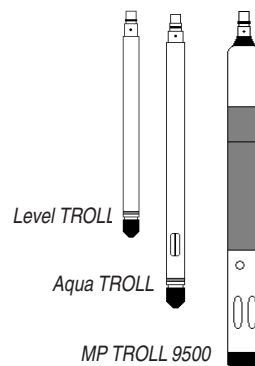
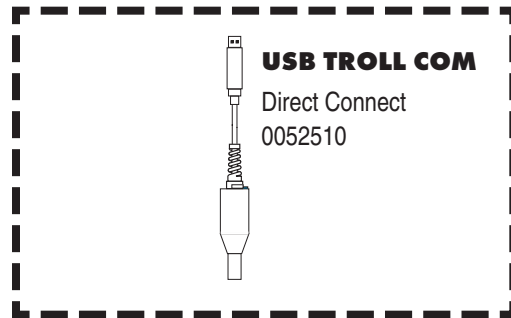
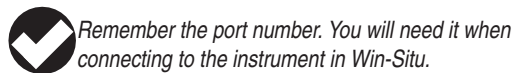
INSTALLATION—USB SOFTWARE

1. Install the latest Win-Situ® software from the In-Situ CD or website to a desktop/laptop computer running Microsoft Windows 2000 or higher.
 - Win-Situ 5, version 5.6 or higher for a Level TROLL or Aqua TROLL,
 - Win-Situ 4, version 4.57.4 or higher for a Multi-Parameter TROLL 9500

When asked, select the option "Install USB TROLL Com Drivers." Two drivers will be loaded to your hard drive, one for the USB TROLL Com, one for the USB TROLL Com serial port.



2. After installation, plug the USB TROLL Com into a USB port on your computer.
 - Windows 2000, Windows Vista: When new hardware is detected, the drivers are installed automatically.
 - Windows XP: Follow the instructions in the Found New Hardware Wizard. Select the option "Install software automatically."
3. After installation, check as follows to find which COM port the USB drivers are using:
 - Windows 2000, Windows XP: Control Panel > System > Hardware tab > Device Manager > Ports. Click the plus sign to display the ports.
 - Windows Vista: Control Panel > System > Device Manager (Administrator permission required) > Ports. Click the plus sign to display the ports.



GUIDELINES AND PRECAUTIONS

- **DO NOT SUBMERGE.**
- Operating system requirements for Win-Situ and USB TROLL Com drivers: Windows 2000 Professional SP4 or higher, Windows XP Professional SP2 or higher, or Windows Vista SP1 or higher.



CAUTION: DO NOT EXCEED 16V EXTERNAL POWER FOR AN MP TROLL 9500. Use a converter that supplies 16V or less.



1 800 446 7488

(toll-free, US and Canada) or 970 498 1500 www.in-situ.com

