



Information Sheet

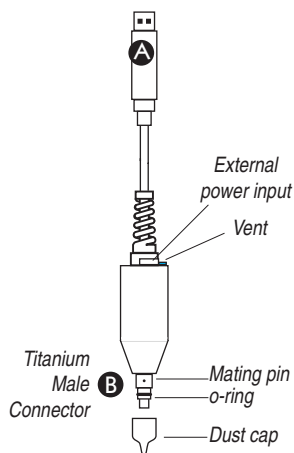
Catalog No. 0052500

USB TROLL® COM CABLE 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 to the instrument's RuggedCable™ via locking Twist-Lock connector, fully waterproof.

PHYSICAL DESCRIPTION



Materials	Titanium, nylon, Viton®, polyurethane
Environmental rating	IP67 (3 meters for 30 minutes), up to the computer connector
Dimensions	3.2 cm (1.25 in) O.D., 15.2 cm (6 in) long, including strain relief
Input	
Level TROLL, Aqua TROLL:	RS485 Modbus
MP TROLL 9500:	RS485
Output	USB Type A
DC power jack	2.5 mm
Compatible 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)

A CONNECTIONS

B Connects to a USB port

Male connector mates with the Twist-Lock connector on the instrument cable

INSTALLATION—HARDWARE

Attach to the Twist-Lock connector on the TROLL's RuggedCable



TIP: Attaching cables or accessories is a simple matter of mating the Twist-Lock connectors. This is easy after you've done it once or twice. For detailed steps and photographs, see the product Quick Start Guide, or the Operator's Manual.



TTT Environmental
Instruments and Supplies

*The preferred source for instrument
Rentals, Sales, Service and Supplies!*

4201 B Street
Anchorage, AK 99503
(907) 770-9041

www.tttenviro.com

25420 74th Avenue S.
Kent, WA 98032
(253) 373-9041

info@tttenviro.com

INSTALLATION—USB SOFTWARE

1. Install the latest Win-Situ® software from the In-Situ CD or web-site 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.



TIP: Be sure to install USB TROLL Com drivers when installing Win-Situ.

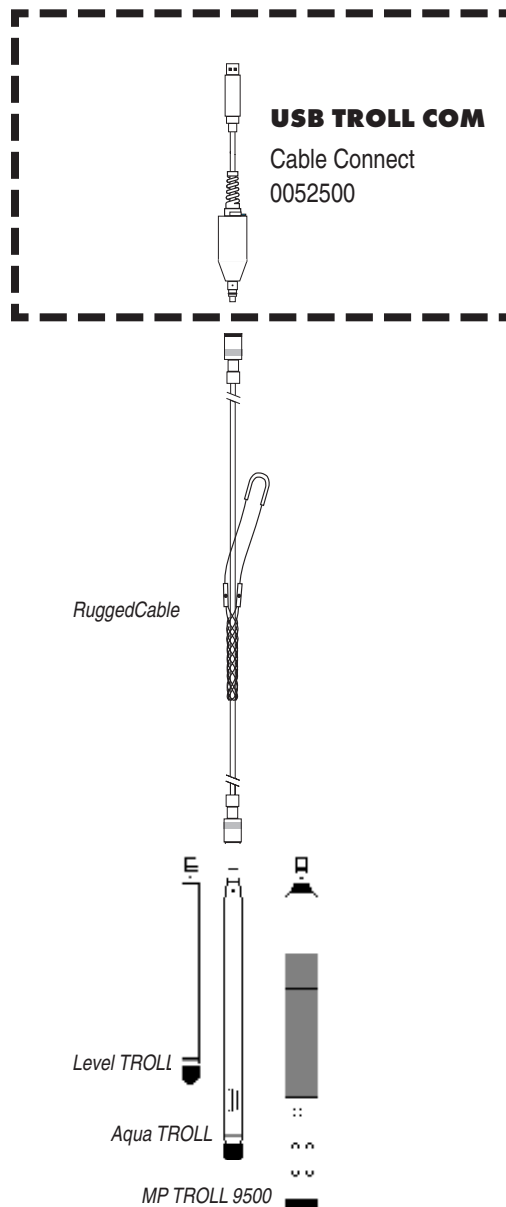
2. After installation, plug the USB TROLL Com into a USB port on your computer.
 - Windows 2000, Windows Vista: When new hardware is detected, the drivers are installed automatically.
 - Windows XP: Follow the instructions in the Found New Hardware Wizard. Select the option "Install software automatically."
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.



Remember the port number. You will need it when connecting to the instrument in Win-Situ.

GUIDELINES AND PRECAUTIONS

- **The computer connector is not waterproof.**
- Soft dust caps protect the connectors during shipping. Keep the caps to protect the connector pins and o-ring when they are not mated.
- 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**

