

Little Dipper™ 2

In-Line Fluorometer

Connection and Wiring Guide

Congratulations on the purchase of your new Little Dipper™ 2 In-Line Fluorometer. In order to ensure that you get the most out of your instrument please refer to the connection instruction, wiring diagram, and table below.

The Little Dipper™ 2 is calibrated to the following concentrations:

2820-000-A 0-200ppb PTSA

2820-000-F 0-100ppb Fluorescein

If your application requires a different concentration range refer to the Little Dipper™ 2 User Manual.

Connect the Little Dipper™ 2 to the mounting tee provided.

Make sure that the o-ring is installed in the tee.

Insert the Little Dipper™ 2 into the tee. Make sure to align the slot on the tee with the tab on the Little Dipper 2.

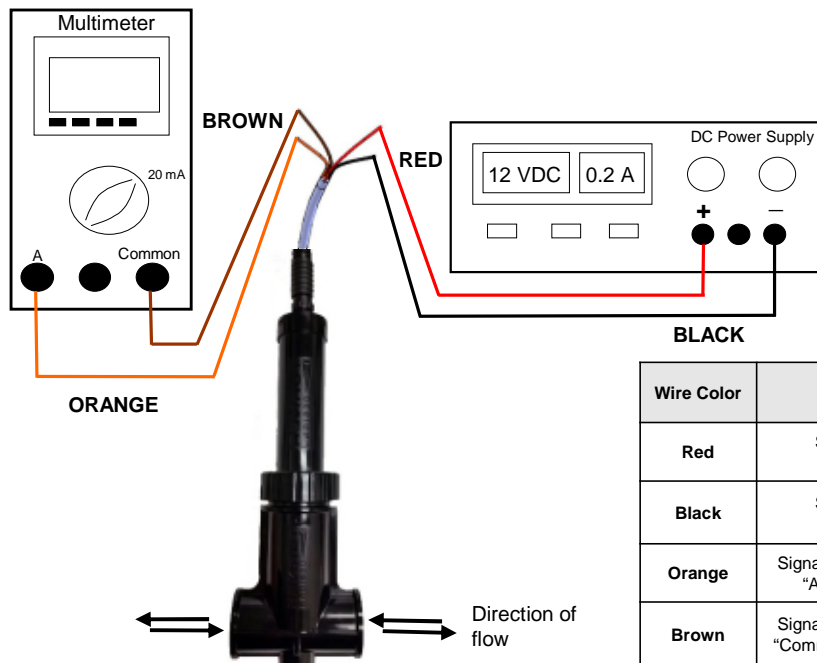
Lower the ring over the top of the Little Dipper™ 2 and hand tighten.

DO NOT USE TOOL TO TIGHTEN.



Connect the Little Dipper™ 2 In-Line Fluorometer to a power supply and digital multimeter as shown.

Note: The power ground (Black Wire) and the 4-20 mA return (Brown Wire) are not common. These wires should not be connected to the same point. Do not allow the bare wires to touch each other or conductive surfaces. Use standard electrical connection and insulation materials. Failure to properly connect the Little Dipper may result in damaged equipment.



When connecting the Little Dipper™ 2 to the cable, pay special attention to the orientation of the pins. Once the connection is made, slide the collar down and rotate the collar to secure.



Wire Color	Function	Connection
Red	Supply Voltage 8 – 30 VDC	Power Source – Positive Connection
Black	Supply Ground 0 VDC	Power Source – Ground Connection
Orange	Signal out to data logger, "A", 4 – 20 mA DC	Multimeter "A" Connection
Brown	Signal out to data logger, "Common", 4 – 20 mA DC	Multimeter "Common" Connection