

Congratulations on the purchase of your new Digital C-FLUOR Submersible Probe. We are committed to customer satisfaction. If you need assistance, technical specialists are available to answer your questions at 408-749-0994 or toll-free at 877-316-8049. This Quick Start Guide will help you set up your Digital C-FLUOR Submersible Probe and describe how to take measurements so you can start collecting data as quickly as possible.

Your Digital C-FLUOR Probe is configured for the application that correlates with the identification letter stamped on the 6-pin bulkhead connector (see list below). For Digital C-FLUOR Probes that do not have a connector, the identification letter will be etched on the body next to the part number.

"C" = Chlorophyll  
"F" = Fluorescein  
"E" = Phycoerythrin  
"O" = Crude Oil  
"T" = Turbidity

"R" = Rhodamine WT  
"P" = Phycocyanin  
"U" = CDOM / IDOM  
"B" = Optical Brighteners  
"D" = Red Excitation



"C" = Chlorophyll

### 1 Initial Connections



**Note:** Supply voltages greater than 15 VDC will damage the probe.

Use the wiring guide below to connect the Digital C-FLUOR to your data logger or third-party system.

**NOTE:** If you purchased the Programming Kit P/N 2120-900 and prefer to use software to set up the Digital C-FLUOR, see Section 2.

C-FLUOR Pins/Wires	Pin Number	Function	Connection
Red	1	Supply Voltage 3 – 15 VDC	PSU – Positive Connection
Black	2	Supply Ground, 0VDC	PSU – Ground Connection
Orange	3	Receive Data	RX
Green	4	Transmit Data	TX
Blue	5	Digital Ground	GND
Yellow	6	N/A	-

Use the communication protocol below to set up communication with your Digital C-FLUOR.

Baud Rate: 9600 (default)

**NOTE:** If the baud rate was manually changed, please use the manually set baud rate for communication.

Data bits: 8  
Parity: None  
Stop bits: 1  
Flow Control: None

After configuring the communication settings, supply power to the instrument and see Section 2.

# Fluor Design Manuals

**James Dwight Dana**



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