Material: Polycarbonate  
Ratings: Nema 4X (IP-66)  
V-0 Fire Retardant
**Flowcell Options**

**SPECIAL APPLICATION FLOWCELLS (CONSULT FACTORY)**

1) Sensor Material: Noryl EN265 & Stainless Steel
2) Connector is not submersible.
3) Outer diameter of sensor: 1.75" Dia. 44.5mm Dia.

---

**Overview**

- **CONNECTOR**
  - 1.5" NPT
  - D.O. FLOW SENSOR
  - P/N: 07-0078

- **Flow "T"**
  - Max. 50 PSI for Flow "T" operation.
  - Use Teflon tape to seal In-Line Sensor.

- **Low Volume Flowcell**
  - Material: Clear Acrylic

---

**Diagram Details**

- **OVERFLOW CELL**
  - Dimensions: 107mm x 107mm
  - Connections: 1.5" NPT

- **SEALED FLOWCELL**
  - Dimensions: 84.5mm x 84.5mm
  - Connections: 1.5" NPT

---

**Additional Notes**

- **(00-0625) PVC FLOW ADAPTOR**
  - Dimensions: 122mm x 122mm

- **(00-0633) LOW VOLUME FLOWCELL ASSEMBLY**
  - Dimensions: 84.5mm x 84.5mm
  - Connections: 1.5" NPT
  - (2) 3/8" BARB FITTINGS
  - (2) 8-32 THREADED INSERTS
**SENSOR HANDRAIL MOUNTING**

- Sensor Cable to Monitor
- 2" Handrail
- Swivel Mounting Bracket with Hardware (00-0628)
- 1" T x T PVC Coupling (Supplied with Swivel Kit)
- Submersible Sensor

**SENSOR HANDRAIL INSTALLATION**

- Sensor Cable to Monitor
- Swivel Adaptor
- (2) 2" U-Bolts & Nuts
- 2" Handrail
- MOUNTING PLATE ASSEMBLY (00-0628)
- 1" Aluminum Conduit, Threaded One End or 1" Schedule 80 PVC Pipe, Length As Required (Customer Supplied)
- 1" T x T PVC Coupling (45-0066) (Supplied with Swivel Kit)
- Submersible Sensor

**SUBMERSIBLE SENSOR MOUNTING OPTIONS**

**STANDARD SUBMERSIBLE** (00-0628)

- 1" T x 1" PVC Coupling (Supplied with Kit)
- Submersible Sensor

**AUTOCLEAN SUBMERSIBLE** (00-0624)

- 1" T x 1" PVC Coupling (Supplied with Kit)
- Submersible Sensor

**w/OPTIONAL RAG SHEDDER** (00-0629)

- MOUNT WITH TRANSITION 6" ABOVE WATER SURFACE
- OPTIONAL RAG SHEDDING MOUNTING ADAPTOR (00-0705), SUPPLIED BY ATI
- D.O. CLEANER PROBE

**OPTICAL SENSOR / FLOWCELL INSTALLATION DRAWING**

- ATI-0444
- ATI-0188

SS-Q46D-60, RE (4/15)
POWER, RELAY, AND OUTPUT CONNECTIONS

Optional Relay Board Wiring
(30V Max.)

Optional Analog Output Wiring

RELAY WIRING TB4,5,6 DETAIL

ATI-0930, 0932, 0933

ATI-0931
SENSOR CONNECTIONS

CONNECT SHIELD TO T/B LABELED AS "CABLE SHIELDS" LOCATED INSIDE ENCLOSURE BOTTOM OF TRANSMITTER

Wiring Typical for all versions of D.O. Sensors

ATI-0959
SENSOR CONNECTIONS - REMOTE JUNCTION BOX

Wiring Typical for all versions of D.O. Sensors
1) Always mount sensor cleaner within 25 ft. of sensor if possible. Maximum air line distance is 50 ft.

2) Sun shade over monitor is recommended in hot climates.

3) Monitor Handrail Mounting Kit # 00-0930 supplies all hardware listed for mounting monitor.

4) Wall mounting requires customer supplied screws or bolts.

5) Sensor Pipe Mounting Kit # 00-0624 supplies mounting plate with hardware and PVC pipe mounting adaptor.

6) Sensor Pipe Mounting Kit with Rag Shedder # 00-0629 supplies mounting plate with hardware and PVC rag shedder.
NOTE: DC ANALYZER PWR INPUTS INDICATE "+" AND "-" FOR INPUT CONNECTIONS. DO NOT ATTEMPT TO CONNECT AC PWR TO A DC ANALYZER AND VISE VERSA

NOTE: DC ANALYZER PWR INPUTS INDICATE "+" AND "-" FOR INPUT CONNECTIONS. DO NOT ATTEMPT TO CONNECT AC PWR TO A DC ANALYZER AND VISE VERSA.

NOTE: IF UNITS ARE ORDERED WITHOUT OPTIONAL MOUNTING PLATE w/DISTRIBUTION BOX, THE TRANSMITTER AND Q-BLAST MUST BE WIRED INDIVIDUALLY.