**ANALYZER DIMENSIONS (WALL MOUNT SHOWN)**

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

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**JUNCTION BOX**

- **Front View**: 4.38 (111.2)  
- **Back View**: 2.61 (66.3)  
- **Bottom View**: 3.45 (87.6)

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ATI-0926  
ATI-0655
**PIPE MOUNTING**

BRACKET CAN BE ROTATED 90° IF DESIRED.

**Panel Mounting Diagram**

SEALING GASKET (43-0013) SUPPLIED WITH MOUNTING KIT MUST BE INSTALLED PRIOR TO INSTALLATION INTO PANEL.

NOTE: PANEL NOT TO EXCEED 3/4” THICK.

PANEL MOUNTING BRACKET (48-0168) SUPPLIED WITH MOUNTING KIT.

(4) #10 x 1/2” PHMS (92-0107) SUPPLIED WITH MOUNTING KIT.

PANEL CUTOUT

4.37 MIN
4.40 MAX.

5.10 MIN
5.08 MAX.
Model Q46D-60 Dissolved Oxygen Analyzer

Sensor Options

**SUBMERSIBLE - MEMBRANED**

- 25' CABLE STANDARD
- 1" NPT
- TEMPERATURE SENSOR

**FLOW TYPE - MEMBRANED**

- 5.7" 145mm
- 4.9" 124mm
- ATI-004

**FLOW TYPE - OPTICAL**

- 5.7" 145mm
- 4.9" 124mm
- ATI-0434

**AUTOCLEAN - MEMBRANED**

- ATI-0994

**FLOW TYPE - OPTICAL**

- 5.7" 145mm
- 4.9" 124mm
- ATI-0870

**AUTOCLEAN - OPTICAL**

- ATI-004

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SS-Q46D-60, RE (4/15)
1) Sensor Material: Noryl EN265 & Stainless Steel
2) Connector is not submersible.
3) Outer diameter of sensor: 1.75" Dia. 44.5mm Dia.

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.

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

Low Volume Flowcell:
1. Material: Clear Acrylic
**Model Q46D-60 Dissolved Oxygen Analyzer**  

**Sensor Dimensions and Installation**

**Optical Sensor / Flowcell Installation Drawing**

**Sensor Handrail Mounting**

- Sensor cable to monitor
- 2" handrail
- Swivel mounting bracket with hardware (00-0629)
- 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)
- **Autoclean Submersible** (00-0624)
- **w/Optional Rag Shedder** (00-0629)

**Notes:**
- Mount with transition 6" above water surface
- Optional rag shedding mounting adapter (00-0705), supplied by ATI
- D.O. cleaner probe

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**ATI-0444**

**ATI-0188**

**ATI-0155**
POWER, RELAY, AND OUTPUT CONNECTIONS

Optional Analog Output Wiring

Optional Relay Board Wiring (30V Max.)

RELAY WIRING TB4,5,6 DETAIL

ATI-0930, 0932, 0933

ATI-0931
SENSOR CONNECTIONS

Wiring Typical for all versions of D.O. Sensors

CONNECT SHIELD TO T/B Labeled as "CABLE SHIELDS" located inside enclosure bottom of transmitter.
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.
**AUTOCLEAN SYSTEM - ELECTRICAL WIRING**

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

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