SYSTEM DIAGRAM w/SEALED FLOWCELLS

FLOWCELL ASSEMBLY
* RECOMMENDED IF INLET PRESSURE VARIES > 10 PSI

SENSOR CABLE MAX. 25 FT.

OPTIONAL pH SENSOR

SEAL pH FLOWCELL
(00-1527)

1/4" O.D. DRAIN LINE

1/4" MPT x 1/4" OD SPEED FITTING SUPPLIED WITH REGULATOR ASSY FOR CUSTOMER CONN. USE

1/4" O.D. SAMPLE FITTING LINE
(CUSTOMER SUPPLIED)

* FIXES FLOW REGULATOR ASSY
(03-0372)

* ASSY COMES SUPPLIED
WITH 10 FT. 1/4" OD TUBING
(01-0276)

ATI-0924
**ANALYZER DIMENSIONS (WALL MOUNT SHOWN)**

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

**JUNCTION BOX**

![Diagram of Junction Box Dimensions]

**ATI-0655**

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**SS-Q46H-64 RB (9/13)**
PIPE MOUNTING

Enclosure Mounting Options

PANEL MOUNTING DIAGRAM

ATI-0927

ATI-0928

SS-Q46H-64 RB (9/13)
FLOW SENSOR DIMENSIONS & OVERFLOW CELL INSTALLATION

1) Sensor Material:
   Black PVC & Titanium

2) Connector is not submersible.

3) Outer diameter of sensor:
   1.75" Dia.
   44.5mm Dia.

ATI-0196

CI₂ SEALED FLOWCELL ASSEMBLY
(00-1522)

pH SEALED FLOWCELL ASSEMBLY
(00-1527)

Material: Acrylic
Mounting Plate: PVC
**Model Q46H-64 Ozone Monitor**

**Sensor Dimensional & Wiring**

### (07-0096) pH SENSOR DIMENSIONS

![Diagram of pH Sensor Dimensions](image)

- **1" NPT**
- **1" NPT**
- **Convertible Sensor w/Connector**

### (63-0101) pH SENSOR DIMENSIONS

![Diagram of pH Sensor Dimensions](image)

- **25 Cable**
- **SPECIAL APPLICATION FLOWCELLS (CONSULT FACTORY)**

#### 1) Sensor Material:
Black PVC & Titanium

#### 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

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**ATI-0197**

SS-Q46H-64 RB (9/13)  
Page 6 of 11
### SUBMERSIBLE SENSOR DIMENSIONS

**ATI-004**

**TEMPERATURE SENSOR**
- 5.7" (145mm)
- 4.9" (124mm)
- 2.2" (56mm)

**25' CABLE STANDARD**

**O₂ SUBMERSIBLE SENSOR**
P/N: 00-0065

**1" NPT**

### SUBMERSIBLE SENSOR INSTALLATION

**ATI-0155**

**SENSOR CABLE TO MONITOR**

**2" HANDRAIL**

**SWIVEL MOUNTING BRACKET w/ HARDWARE, (00-0628)**

**1" T X T PVC COUPLING**
(SUPPLIED WITH SWIVEL KIT)

**1" ALUMINUM CONDUIT, THREADED ONE END OR 1" SCHEDULE 80 PVC PIPE. LENGTH AS REQUIRED (CUSTOMER SUPPLIED)**

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**SS-Q46H-64 RB (9/13) Page 7 of 11**
POWER, RELAY, AND OUTPUT CONNECTIONS

Optional Analog Output Wiring

Optional Relay Board Wiring (30V Max.)

RELAY WIRING TB4,5,6 DETAIL

FACTORY DEFAULT (NORMAL MODE)

FAILSAFE MODE

ATI-0930, 0932, 0933

ATI-0931
ELECTRICAL CONNECTIONS

Remove Jumpers 3-5 & 6-9 if pH sensor is connected

CONNECT SHIELD TO T/B LABELED "CABLE SHIELDS" LOCATED ON P/S PCB INSIDE OF ENCLOSURE

Q22P SENSOR (07-0096)
- RED = 3
- BLACK = 5
- SHIELD = 4

ATI COMBINATION ELECTRODE (63-0101)
- CENTER COND. = 3
- SHIELD (BRAID) = 5
- GREEN = 7

FLOW STYLE PROBE

SENSOR SUBMERSIBLE STYLE
SENSOR CONNECTIONS - REMOTE JUNCTION BOX

Remove Jumpers 3-5 & 6-9 if pH sensor is connected

ATI-0934
(63-0101) Bayonet Style pH Probe CANNOT be used in a remote application

NOTE: WHEN CONNECTING JUNCTION BOX TO TRANSMITTER USING THE INTERCONNECT CABLE SPECIFIED ABOVE, CONNECT THE BLUE WIRE TO "A" AND THE BROWN WIRE TO "U" IN THE JUNCTION BOX. ON THE TRANSMITTER END, CONNECT THE BLUE WIRE TO "PH (REF)" AND THE BROWN WIRE TO "PH (ACT)".

Q22 pH SENSOR (37-3096)

PROBE FROM STYLE (00-0042)

1/2" NPT 2-HOLE CORD GIFT (PROVIDED WITH pH SENSOR)

DUAL PROBE CORD GIFT ADAPTER (48-0108)

-1 - 5 ft. GREEN
-2 - 5 ft. SHIELD
-3 - 5 ft. WHITE
-4 - 5 ft. RED
-5 - 5 ft. ORANGE
-6 - 5 ft. BROWN
-7 - 5 ft. BLUE

JUNCTION BOX (01-0100)

SENSOR INTERCONNECT CABLE 100 FT. MAX (31-0038)

CUSTOMER TO OBSERVE COLOR CODES FROM J-BOX TO MONITOR

CONNECT SHIELD TO EYE BOLTS IN T/B LABELED CABLE SHIELDS ISSUE OF ENCLOSURE

REMEMBER TO REMOVE JUMPERS FROM 5-5 & 6-9

ATI-0936