**ANALYZER DIMENSIONS (WALL MOUNT SHOWN)**

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

**JUNCTION BOX**

FRONT VIEW

BACK VIEW

BOTTOM VIEW

ATI-0926

ATI-0655
PIPE MOUNTING

BRACKET CAN BE ROTATED 90° IF REQUIRED.

6.00 (152mm)

1.5" PIPE

6.70 (170mm)

4.02 (102mm)

2" S.S. U-90LT (47-0005)

Panel Mounting Options

PANEL MOUNTING DIAGRAM

SEALING GASKET (43-0018) SUPPLIED WITH MOUNTING KIT MUST BE INSTALLED PRIOR TO INSTALLATION INTO PANEL

NOTE: PANEL MOUNTING BRACKET (48-0068) SUPPLIED WITH MOUNTING KIT

(4) #10x1/2" PHMS (92-0137) SUPPLIED WITH MOUNTING KIT

PANEL OUTPUT

4.37 MIN 4.40 MAX.

5.10 MIN 5.08 MAX.

ATI-0927

ATI-0928
FLOW SENSOR DIMENSIONS & OVERFLOW CELL INSTALLATION

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

ATI-0196

CI2 SEALED FLOWCELL ASSEMBLY
(00-1522)

Material: Acrylic
Mounting Plate: PVC

pH SEALED FLOWCELL ASSEMBLY
(00-1527)
**Model Q46H-62 / 63 Chlorine Monitor**

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### (07-0096) pH SENSOR DIMENSIONS

![Diagram of pH Sensor Dimensions](image)

**Sensor Dimensions**

- **1″ NPT**
- **1″ NPT**
- **8.50 (215.9)**
- **1″**
- **1.32 (33.5)**
- **HEX**
- **1.45 (36.8)**

---

### (63-0101) pH SENSOR DIMENSIONS

![Diagram of pH Sensor Dimensions](image)

**Sensor Dimensions**

- **1¼″ NPT**
- **4.20″**
- **107mm**
- **1.0″**
- **25.4mm**
- **1″**

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### SPECIAL APPLICATION FLOWCELLS (CONSULT FACTORY)

1. **Sensor Material:**
   - Black PVC & Stainless Steel
2. **Connector is not submersible.**
3. **Outer diameter of sensor:**
   - 1.75″ Dia.
   - 44.5mm Dia.

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**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
**SUBMERSIBLE SENSOR DIMENSIONS**

<table>
<thead>
<tr>
<th>Sensor Type</th>
<th>Diameter (in)</th>
<th>Diameter (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temperature Sensor</td>
<td>5.7</td>
<td>145</td>
</tr>
<tr>
<td></td>
<td>4.9</td>
<td>124</td>
</tr>
<tr>
<td></td>
<td>2.2</td>
<td>56</td>
</tr>
</tbody>
</table>

**25' CABLE STANDARD**

**25' CABLE STANDARD**

**ATI-004**

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**SUBMERSIBLE SENSOR INSTALLATION**

1. **SENSOR CABLE TO MONITOR**
2. **2" HANDRAIL**
3. **SWIVEL MOUNTING BRACKET with HARDWARE (00-0628)**
4. **1" T X T PVC COUPLING (SUPPLIED WITH SWIVEL KIT)**
5. **1" ALUMINUM CONDUIT, THREADED ONE END OR 1" SCHEDULE 80 PVC PIPE, LENGTH AS REQUIRED (CUSTOMER SUPPLIED)**

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

Optional Relay Board Wiring (30V Max.)

Optional Analog Output Wiring

MODBUS Communication

RELAY WIRING TB4,5,6 DETAIL

FACTORY DEFAULT (NORMAL MODE)

(FAILSAFE MODE)

ATI-0931

ATI-0930,
0932. 0933. 0989
ELECTRICAL CONNECTIONS

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

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

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

SENSOR SUBMERSIBLE STYLE (NOT AVAILABLE FOR Q46H-62)
Removal of Jumper Jumpers 3-5 & 6-9 if pH sensor is connected.
(63-0101) Bayonet Style pH Probe **CANNOT** be used in a remote application

**SENSOR CONNECTIONS - Cl₂/pH WITH JUNCTION BOX**

**NOTE:** When connecting Junction Box to Transmitter, use the Interconnect Cable specified above. Connect the Blue Wire to "A" and the Brown Wire to "B" in the Junction Box. On the Transmitter, connect the Blue Wire to pH (-REF) and the Brown Wire to pH (ACT).