INSTALLATION OPTIONS

- LOW VOLT (I/O WIRING)
- RELAY WIRING
- DIGITAL COMM WIRING
- POWER IN

- CONSTANT HEAD FLOWCELL

- SUBMERSION MOUNT
- 1 1/2" FLOW TEE
  (CONSULT FACTORY BEFORE USE)

- SEALED FLOWCELL
SECONDARY pH INPUT OPTIONS

- ATI-1087
- Q46 Analyzer
- Low Volt (I/O Wiring)
- Relay Wiring
- Digital Comm Wiring
- Power In

Q22 pH Sensor in Constant Head Flowcell

Standard Combination pH Sensor in Constant Head Flowcell

pH Sensor in Sealed Flowcell (use with Cl2 Sensor/Sealed Flowcell)

Submersible Q22 pH Sensor (use with Submersible Cl2 Sensor)
ANALYZER DIMENSIONS (WALL MOUNT SHOWN)

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

JUNCTION BOX

ATI-0926

ATI-0655
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/79 PR Total Chlorine Analyzer**

**(07-0096) pH SENSOR DIMENSIONS**

![Diagram of pH SENSOR DIMENSIONS]

**Sensor Dimensional & Wiring**

**(63-0101) pH SENSOR DIMENSIONS**

![Diagram of pH SENSOR DIMENSIONS]

**SPECIAL APPLICATION FLOWCELL (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.

**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**

25' CABLE STANDARD

Cl₂ SUBMERSIBLE SENSOR
P/N: 00-0067

1" NPT

TEMPERATURE SENSOR

| ATI-004 |

**SUBMERSIBLE SENSOR INSTALLATION**

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)

ATI-0155
POWER, RELAY, AND OUTPUT CONNECTIONS

Optional Relay Board Wiring (30V Max.)

MODBUS Communication

RELAY WIRING TB4,5,6 DETAIL

FACTORY DEFAULT (NORMAL MODE)

FAILSAFE MODE
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

22P 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
(00-1671)

SENSOR SUBMERSIBLE STYLE
(00-1672)
SENSOR CONNECTIONS - REMOTE JUNCTION BOX

Q46 ANALYZER

JUNCTION BOX (07-0100)

SHIELD CONNECTED TO T/3 LOCATED ON P/S POB IN BOTTOM OF ENCLOSURE

FOLLOW CONTINUITY FROM J-BOX TO MONITOR FOR COLORS

SENSOR INTERCONNECT CABLE, 100 FT. MAXIMUM (31-0038)

B = BLUE
C = WHITE
D = BROWN or ORANGE
E = SHIELD
F = RED
G = BLACK
H = GREEN

FLOW STYLE PROBE (00-1671)
SENSOR SUBMERGE STYLE (00-1672)