INSTALLATION OPTIONS

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

- SUBVERSION MOUNT
- CONSTANT HEAD FLOWCELL
- 1 1/2" FLOW TEE
  (CONSULT FACTORY BEFORE USE)
- SEALED FLOWCELL
SECONDARY pH INPUT OPTIONS

Q46 ANALYZER

LOW VOLT (I/O WIRING)

DIGITAL COMM WIRING

RELAY 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 CI2 SENSOR/SEALED FLOWCELL)

SUBMERSIBLE Q22 pH SENSOR (USE WITH SUBMERSIBLE CI2 Sensor)
Mounting Plate w/o Flowswitch – (03-0374)
Mounting Plate w/Flowswitch – (03-0344)
currently shown
**ANALYZER DIMENSIONS (WALL MOUNT SHOWN)**

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

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**JUNCTION BOX**

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ATI-0655
PIPE MOUNTING

ATI-0927

PANEL MOUNTING

ATI-0928

Panel mounting bracket (4-0166) supplied with mounting kit

Sealing gasket (41-0015) supplied with mounting kit

Panel mounting bracket (4-0166) supplied with mounting kit

Note: Panel not to exceed 1/4" thick
FLOW SENSOR DIMENSIONS & OVERFLOW CELL INSTALLATION

1. Sensor Material: Black PVC and Stainless Steel
2. Connector is not submersible
3. Outer Dia of Sensor: 1.75” 44.5mm

Cl₂ FLOW SENSOR
(00-1672)

Overflow Cell Assembly
(00-0043)

(4) ¼” DIA HOLES
CUSTOMER MOUNTING

4.20”
107mm

6.40”
163mm

7.00”
178mm

2.75”
70mm

¾” BARB FITTING (RAIN)

¼” BARB FITTING (INLET)

1/16” THK S.S.

4.50”
114mm

CLEAR ACRYLIC

1. Sensor Material: Black PVC and Stainless Steel
2. Connector is not submersible
3. Outer Dia of Sensor: 1.75” 44.5mm

Cl₂ SEALED FLOWCELL ASSY
(00-1522)

Material: Acrylic
Mounting Plate: PVC

pH SEALED FLOWCELL ASSY
(00-1527)

Material: Acrylic
Mounting Plate: PVC
(07-0096) pH SENSOR DIMENSIONS

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

(63-0101) pH SENSOR DIMENSIONS

Flow "T"
1. Max 50 PSI for Flow "T" Operation
2. Use Teflon Tape to seal In-Line Sensor
Low Volume Flowcell
1. Matl: Clear Acrylic

SPECIAL APPLICATION FLOWCELLS (CONSULT FACTORY)

ATI-0197
SUBMERSIBLE SENSOR DIMENSIONS

25' Cable Standard

Cl₂ Submersible Sensor (00-0067)

1" NPT

Temperature Sensor

2.2" 56mm

5.7" 145mm

4.9" 124mm

ATI-004

SUBMERSIBLE SENSOR INSTALLATION

SENSOR CABLE TO MONITOR

2" HANDRAIL

SWIVEL MOUNTING BRACKET WITH HARDWARE (00-628)

1" X T PVC COUPLING (SUPPLIED WITH INT)

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

ATI-0155
POWER, RELAY, AND OUTPUT CONNECTIONS

ATI-0930, 0932, 0933, 0989

RELAY WIRING TB4,5,6 DETAIL

FACTORY DEFAULT (NORMAL MODE)

RELAY A

COM
NC
NC

RELAY B

COM
NC
NC

RELAY C

COM
NC
NC

FAILSAFE MODE

RELAY A

COM
NC
NC

RELAY B

COM
NC
NC

RELAY C

COM
NC
NC

ATI-0931
Remove jumpers 3-5 & 6-9 if pH sensor is installed

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 (00-1672)

SENSOR SUBMERSIBLE STYLE (00-1671)

*CONNECT SHIELD TO TAB LABELED "CABLE SHIELDS" LOCATED ON PCB INSIDE OF ENCLOSURE
SENSOR CONNECTIONS – REMOTE JUNCTION BOX

Q46 ANALYZER

SHIELD CONNECTED TO T/B LOCATED ON P/N PCB IN BOTTOM OF ENCLOSURE

FOLLOW CONTINUITY FROM J-BOX TO MONITOR FOR COLORS

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

FLOW STYLE PROBE (00-1672)

SENSOR SUBMERSIBLE STYLE (00-1671)

JUNCTION BOX (07-0100)

CONNECTION COLORS

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