STANDARD SYSTEM DIAGRAM

LOW VOLT (I/O WIRING)

Q46 ANALYZER

RELAY WIRING

DIGITAL COMM WIRING

POWER OPTIONS
12-24VDC or 90-240 VAC

SENSOR CABLE MAX. 100 FT.

FLOWCELL ASSEMBLY

PRESSURE REGULATOR
RECOMMENDED IF INLET
PRESSURE VARIES > 10 PSI

1/4" I.D. SAMPLE INLET LINE

1/2" I.D. DRAIN

FLOW VALVE

(Optional) SAMPLE TAP

SYSTEM DIAGRAM w/ OPTIONAL pH SENSOR

LOW VOLT (I/O WIRING)

Q46 ANALYZER

RELAY WIRING

DIGITAL COMM WIRING

POWER OPTIONS
12-24VDC or 90-240 VAC

SENSOR CABLE MAX. 100 FT. WHEN COMBINED WITH pH SENSOR

FLOWCELL ASSEMBLY

PRES. REGULATOR
RECOMMENDED IF INLET
PRESSURE VARIES > 10 PSI

1/4" I.D. SAMPLE INLET LINE

1/2" I.D. DRAIN

FLOW VALVE

(Optional) SAMPLE TAP

NOTE: pH SENSOR LENGTH 25 FT.

RETIRED: 04/08
SYSTEM DIAGRAM w/SEALED FLOWCELL
**SYSTEM MOUNTING PLATE ASSY**

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

JUNCTION BOX

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

ATI-0927

PANEL MOUNTING

ATI-0928
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 SEALED FLOWCELL ASSY
(00-1522)

Material: Acrylic
Mounting Plate: PVC

pH SEALED FLOWCELL ASSY
(00-1527)

Material: Acrylic
Mounting Plate: PVC
Model Q46H-65 Chlorine Dioxide Monitor

Sensor Dimensions and Installation

(07-0096) pH SENSOR DIMENSIONS

(63-0101) pH SENSOR DIMENSIONS

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

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

PVC Flow Adapter

SCH 80 1 ½ PVC Flow "T"
Assembly (00-0625)

1 ½" NPT

RCl Flow Sensor (00-0066)

1 ½" NPT

Connector

4.20'
107mm

Low Volume Flowcell Assy (00-0633)

(2) ¼" Barb Fittings

(2) #8-32 Threaded Inserts

3.325'
84.5mm

1.0'
25.4mm

4.813'
122mm

ATI-0197

SS-Q46H-65, Rev-B (8/21)
SUBMERSIBLE SENSOR DIMENSIONS

25’ Cable Standard

RCl: 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 (00-028)

1” x 1” PVC Coupling (supplied with kit)

1” Aluminum conduit, threaded one end or 1” schedule 80 PVC pipe, length as required
(Customer supplied)

ATI-0155
ELECTRICAL CONNECTIONS

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

CONNECT SHIELD TO T/B-LAILED CABLE SHIELDS LOCATED ON P/S FOR INSIDE OF ENCLOSURE

sensor

ATI-0929
SENSOR CONNECTIONS – REMOTE JUNCTION BOX

Q46 ANALYZER

SHIELD CONNECTED TO T/B
LOCATED ON P/S 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

SENSOR SUBMERSIBLE STYLE

JUNCTION BOX (07-0100)

CONNECTION COLORS
C = WHITE
D = BROWN or ORANGE
E = SHIELD
F = RED
G = BLACK
H = GREEN
(63-0101) Bayonet Style pH Probe CANNOT be used in a remote application