SYSTEM DIAGRAM w/SEALED FLOWCELL

[Diagram showing system setup with various components labeled, including sensor, sample inlet line, and flowcell assembly.]
Mounting Plate w/o Flowswitch – (03-0374)
Mounting Plate w/Flowswitch – (03-0344)
currently shown
Model Q46H-64 Ozone Monitor

Enclosure Dimensions

ANALYZER DIMENSIONS (WALL MOUNT SHOWN)

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

ATI-0926

JUNCTION BOX

ATI-0655
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
(07-0096) pH SENSOR DIMENSIONS

8.50 (215.9)

1” NPT

1” NPT

Convertible Sensor w/Connector

(63-101) pH SENSOR DIMENSIONS

3.325” 84.5mm

1.0” 25.4mm

2.0” 50.8mm

(2) #8-32 Threaded Inserts

(2) ¼” Barb Fittings

Low Volume Flowcell Assy
(00-0633)

SCH 80 1 ½ PVC Flow “T” Assembly (00-0635)

D.O. Flow Sensor
(00-0042)

1 ¼” NPT

4.20” 107mm

1.75” Dia.

44.5mm

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)

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

PVC Flow Adapter

Connector

1 ¼” NPT
SUBMERSIBLE SENSOR DIMENSIONS

D.O₃ Submersible Sensor
(00-0065)

1" NPT

Temperature Sensor

25' Cable Standard

2.2" 56mm

5.7" 145mm

4.9" 124mm

SS-Q46H-64, Rev-C (8/21)

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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.
SENSOR CONNECTIONS – REMOTE JUNCTION BOX

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

Follow continuity from J-box to monitor for colors.

Sensor interconnect cable, 100 ft. maximum (31-0038).

C - WHITE
D - BROWN or ORANGE
E - SHIELD
F - RED
G - BLACK
H - GREEN

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