STANDARD SYSTEM DIAGRAM

Q46 ANALYZER

POWER OPTIONS
12–24 VDC
or
100–240 VAC

SENSOR CABLE
20 ft. (6m) STANDARD
MAX 200 ft. (60m)
WITH JUNCTION BOX

2" CPVC ADAPTER TEE (SxS)
(63-0083)

5.40"

2.85"

ATI-0760
**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-0926

ATI-0655
PIPE MOUNTING

PANEL MOUNTING DIAGRAM

ATI-0927

ATI-0928
Sensor Dimensional Information

![Diagram of sensor dimensions]

- **Model Q46CT Torodial Conductivity Monitor**
- **Material:** Noryl

ATI-0758
POWER, RELAY, AND OUTPUT CONNECTIONS

Optional Relay Board Wiring
(30V Max.)

Optional Analog Output Wiring

RELAY WIRING TB4,5,6 DETAIL

FACTORY DEFAULT (NORMAL MODE)

FAILSAFE MODE

ATI-0931
SENSOR CONNECTIONS

TOROIDAL SENSOR (63-0099)
MATERIAL: NORYL
SENSOR CONNECTIONS - JUNCTION BOX

22 AWG 3 PAIRED INDIVIDUALLY SHIELDED CABLE RED Belden # 8777 or (31-0068)

CUSTOMER MUST CHECK CONTINUITY FROM J-BOX TO MONITOR, WHEN CONNECTING CABLE

JUNCTION BOX (G7-C100)

TO MONITOR MAX 180 ft. (55m)

ATI-0955
CONDUCTIVITY SENSOR - 2" FLOW TEE ASSEMBLY

FLOW TEE
LOCKING RING

SENSOR CABLE
20 ft. (6m) STANDARD
MAX 200 ft. (60m)
WITH JUNCTION BOX

KEYING SLOT

TOROIDAL SENSOR
(63-0099)

O-RING
(SUPPLIED w/FLOW TEE)

2" CPVC FLOW TEE
(63-0083)

FLOW

ATI-1038

SS-Q46CT, RB (2/14)
FLOW "T" RECOMMENDED PIPING

VERTICAL CONFIGURATION IS RECOMMENDED BUT HORIZONTAL CONFIGURATION IS ACCEPTABLE. FRONTED SENSOR IS MOUNTED IN THE 3:00 OR 9:00 POSITION.