Components

- Meter and Indicator
- Protective faceplate cover and lanyard
- Gaskets (Failure to install gaskets will void warranty!)
- Power/Output Cable
- 15 Pin Connector
- Security Seals
- Cable Glands

Optional

- ANSI/NSF-61 Rated Gaskets
- Six foot AC power cable for AC configurations
- Second output cable

Recommended Tools

**Recommended:**
- T-15 Torx head driver
- 0.098 inch (small) flat head screw driver
- Crescent Wrench

**Optional:**
- Channel locks
Positioning

Choose a position that will ensure a full pipe.

Choose a position that will minimize flow distortion.

Recommended:
Improved accuracy results from unimpeded electrodes

Electrode moved from top by rotating meter

Intermittent air bubbles miss electrode

Electrodes free from sediment build-up

Not Ideal:
Air bubbles and sediment on the electrodes can affect accuracy

Intermittent air bubbles pass over electrode

Possible sediment build-up

Grounding

Metal Pipe

Plastic Pipe

Equalization Lug

Grounding Ring

Gaskets

Pipe Flange

Meter Flange

Lockwasher

Flange Plate

Ground Clamp (Exothermically weld when corrosion is a concern)

Grounding Ring Gaskets

#6, #8, or #12 AWG Stranded Copper Ground Wire < 5'

Earth

8' Ground Rod

Grounded Pipe

Earthing Lug

Gaskets

Pipe Flange

Meter Flange

Flange Plate

Lockwasher

Gaskets

Pipe Flange

Meter Flange

Equations

Pipe Flange

Meter Flange

Grounding Ring

Gaskets

Pipe Flange

Flange Plate

Electrode moved from top by rotating meter

Intermittent air bubbles miss electrode

Electrodes free from sediment build-up

Grounding

Electrode moved from top by rotating meter

Intermittent air bubbles pass over electrode

Possible sediment build-up

Warnings
Refer to instruction manual for further details.

- Do not weld or flame cut within 10' of meter. Heat will damage electronics and liner. (Heat will void warranty.)
- Install provided full face gaskets. **Failure to install gaskets will void warranty.**
- Tube must be completely aligned with adjoining flanges.
- Ensure proper grounding.
- Bolts must be tightened evenly. Do not over tighten one side to fill a gap.
- Improper sealing of cables or cable glands will void warranty.
- Install security seal during installation if regulations require.
- Backup batteries are not intended as a primary power source.

Refer to the Electrical Quick Start Guide or the complete instruction manual for details on wiring.