Engineering Specifications
60 Series Differential pH Probes

1. The pH probe shall use differential measurement technology. The pH probe range shall be 0-14 pH. The pH probe shall have a replaceable reference pH 7 buffer solution.
2. The pH probe shall have two glass electrodes and one titanium grounding electrode. The grounding electrode shall be common to both glass measurement electrodes. The pH probe shall have a semi-flush face design to reduce fouling of electrodes.
3. The pH probe shall have a replaceable double junction salt bridge. The salt bridge shall be CPVC construction with ceramic junctions. The salt bridge shall have dual O-rings of EPDM or Viton.
4. The pH probe shall be constructed of CPVC for chemical resistance. The pH probe shall have a variable insertion depth from 7/8 inches to 5 inches. The pH probe shall be 1-1/8 inches in diameter. The pH probe shall be installed with a 1-1/4 inch NPT threaded compression fitting. The compression fitting shall be CPVC with a two piece locking ferrule and O-ring. See Figure 1.
5. The pH probe shall have a 15-foot cable comprised of 5 wires and a shield. The pH probe shall have a built-in pre-amp capable of transmitting up to 3000 feet. The pre-amp shall be conformal coated and be potted in epoxy for corrosion resistance.
6. The pH probe shall have automatic temperature compensation using a 300-ohm thermistor.
7. The pH probe shall be Model P60C-6-1 manufactured by AquaMetrix Inc. of Markham, Ontario, Canada.

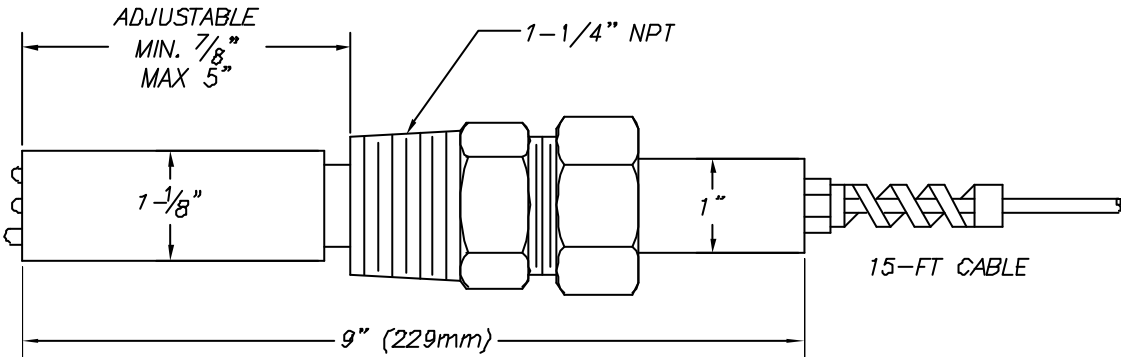


Figure 1.