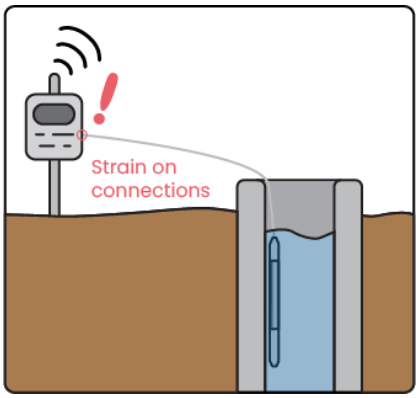
Mounting Options for the pHionics STs Series™

There are many options available to mount STs Series sensors due to their narrow diameter, durable housing, and Kevlar-reinforced cable. This document covers a few of the most common methods. If you have any questions about mounting methods for your application, please reach out to pHionics customer service at support@phionics.com.

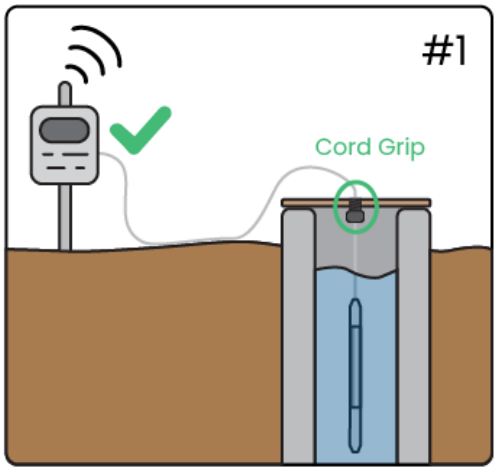
Common Mounting Methods

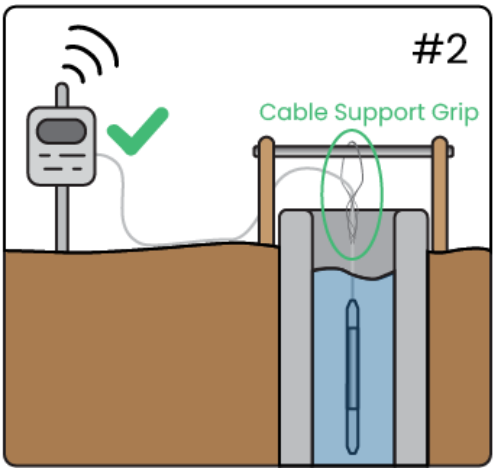
Suspension

With Kevlar-reinforced cables, pHionics sensors can be freely suspended up to 100 ft. (33 m) without concerns of stretching or damage.



We recommend securing the cable to relieve strain at the receiver, as this eliminates the possibility of the wires being pulled out. Two options for doing so are provided below:

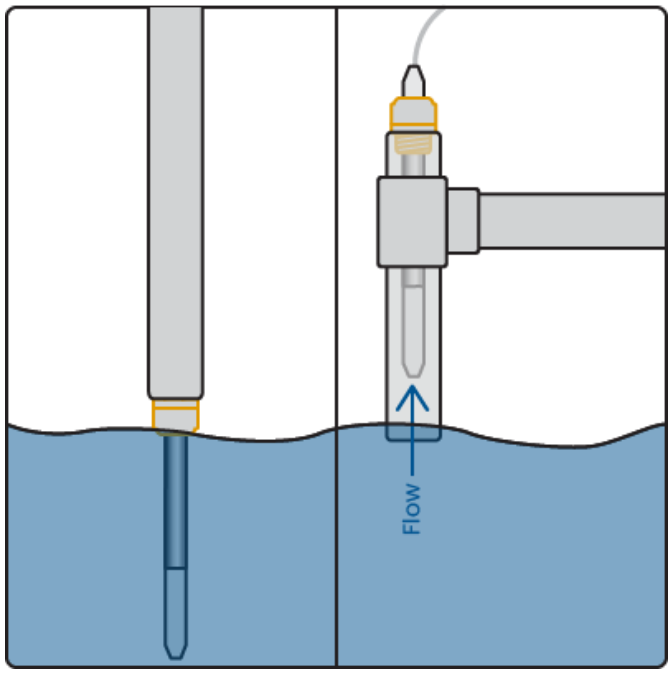




1. Drill a hole into the cover of the well/borehole and install a cord grip to relieve cable strain.
2. Loop a cable support grip around a support beam above the hole that tightens around the cable to take the weight of the sensor.

In-line

pHionics sensors can easily be mounted in a pipe using our cmp-k compression fitting. The cmp-k is sufficient for pressures up to 35 psi. Please contact sales@phionics.com for high pressure options (less than 100 psi).



Stilling Well

Stilling wells are capped pipes with holes drilled in the sides for water flow. The cap can either support the sensor at the bottom or be placed at the top of the pipe with a hole drilled through it for the cable. They can be mounted on poles in rivers, lakes, and on ocean docks, or to the side of wells and tanks with brackets. This method allows for easy removal and replacement of sensors at a variety of depths.