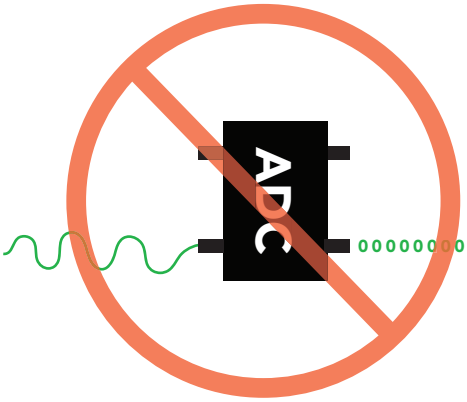
Conductivity Probe Datasheet

A conductivity probe is a very simple device. It is just two conductors with a fixed surface area at a fixed distance from each other. This distance and surface area is known as the conductivity cell. The cells distance and surface area is quantified as the conductivity cells K constant.

A conductivity probe does not output a signal.

Result will ***always*** read zero.



Result will ***always*** read zero.

Conductivity Probe Range

The range of the probe is completely dependent on the device driving/reading the conductivity probe.

This Atlas Scientific conductivity probe, has a cell constant of **K 0.1** When this conductivity probe is connected to an Atlas Scientific E.C. circuit, it has a range of ***0.5µs to 50,000µs***

This Atlas Scientific conductivity probe, has a cell constant of **K 1.0** When this conductivity probe is connected to an Atlas Scientific E.C. circuit, it has a range of ***5µs to 200,000µs***

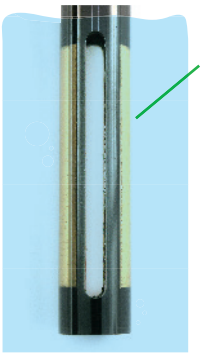
This Atlas Scientific conductivity probe, has a cell constant of **K 10** When this conductivity probe is connected to an Atlas Scientific E.C. circuit, it has a range of ***10µs to 1S***

AtlasScientific™
Environmental Robotics

Conductivity Probe

K 0.1

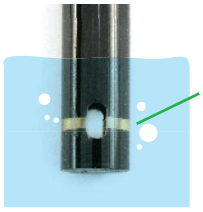
The Atlas Scientific **K 0.1** conductivity probe has two graphite conductors. *The conductor area is easily identified by the brown section on the probe.*



The entire conducting area must be submerged in order to get accurate readings.

K 1.0

The Atlas Scientific **K 1.0** conductivity probe has two graphite conductors. *The conductor area is easily identified by the brown section on the probe.*



The entire conducting area must be submerged in order to get accurate readings.

K 10

The Atlas Scientific **K 10** conductivity probe has two platinum conductors. *The conductor area is housed inside of the probe.*

The entire conducting area must be submerged in order to get accurate readings.

This E.C. Probe can be ***Fully*** submerged in fresh water or salt water, up to the BNC connector indefinitely.