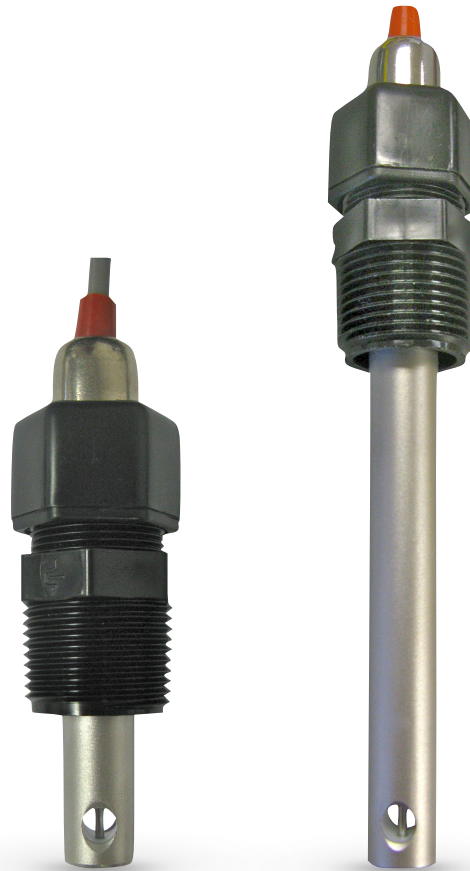




The small size allows convenient installation and cleaning.

O-ring seal on all versions for increased dependability.

Fittings allow for removal and replacement without specialty tools.

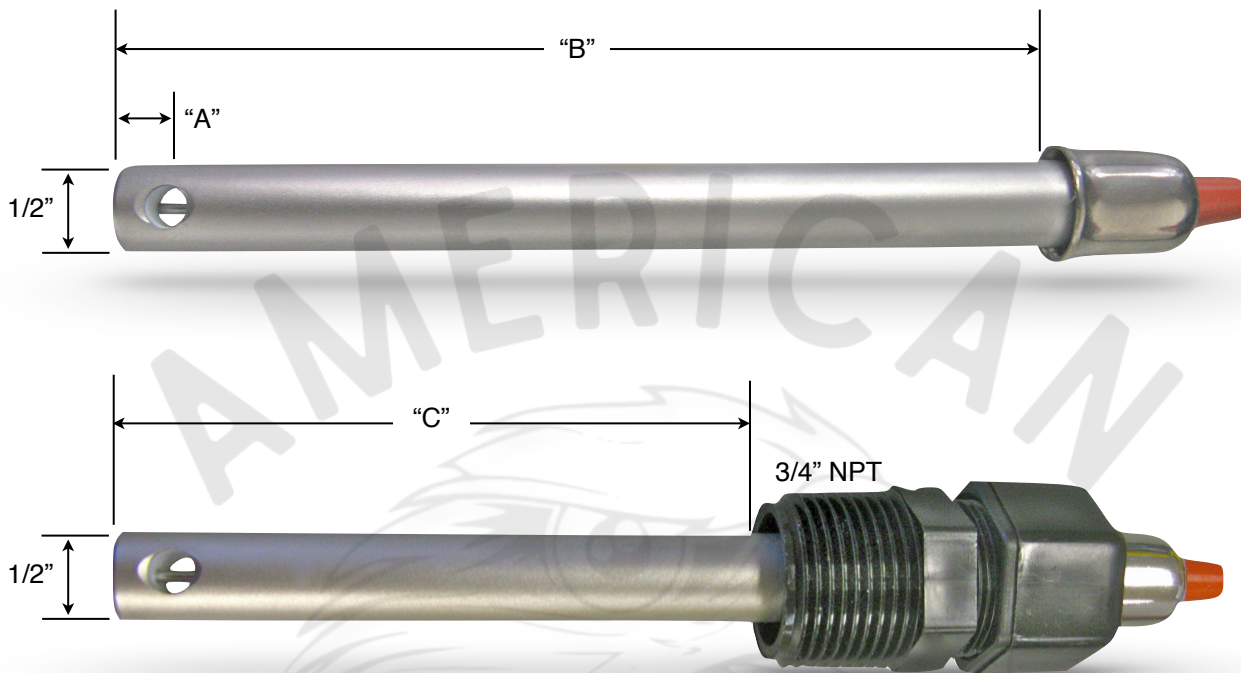


The ACS10 and ACS51 sensors offer a compact design that allows installation into standard pipe fittings in small line sizes such as 3/4" and 1", avoiding the need for special flow cells. The simplicity of the design also allows for affordable pricing and a trustworthy sensor.

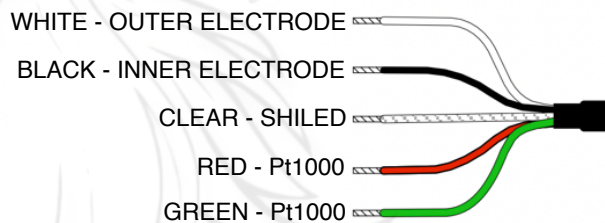
Application Notes

Materials of construction are 316 stainless steel and Teflon, with double o-ring seals at all points. The front o-ring endures the brunt of the attack, allowing the rear o-ring to maintain a reliable seal. A Pt1000 temperature element allows for automatic compensation and maximum accuracy. Leads are 10' standard, stripped, and tinned ends with RoHS-compliant silver solder. Process connections are made through a 3/4" NPT polypro fitting. The customer can screw the fitting into place or turn it around and connect it to a standpipe for use in a submersion configuration. The ACS51 is suitable for general use up to 10,000 microsiemens or higher. The ACS10 covers a broader range of cell constants and conductivity levels.

TITLE			
ACS10 & ACS51 CONDUCTIVITY SENSORS			
SIZE	PROJECT	DRAWING NO.	REV.
A	ACS	9002	A



SENSOR DIMENSIONS			
PN #	"A"	"B"	"C"
ACS10-0.01	1.98"	5.25"	3.50"
ACS10-0.1	0.30"	5.25"	3.50"
ACS10-1.0	0.30"	5.25"	3.50"
ACS10-10.0	5.10"	8.50"	7.00"



ACS10 CONDUCTIVITY SENSOR SPECIFICATIONS

MAX. PRESSURE/TEMP. RATINGS

100 PSIG at 100°C w/Polypro Fitting
 150 PSIG at 120°C w/Kynar Fitting
 200 PSIG at 120°C w/316SS Fitting
 500 PSIG at 100°C w/316SS Fitting

WETTED MATERIALS

Insulator - Teflon
O-rings - EPDM FDA Approved
Metals - 316L SS Standard; Monel, Titanium, Hastelloy C-276 optional.
Fittings - Polypropylene Standard, 316L SS, Kynar optional.

CELL CONSTANTS

ACS10- 10.0/1.0/0.1/0.01

CONNECTIONS:

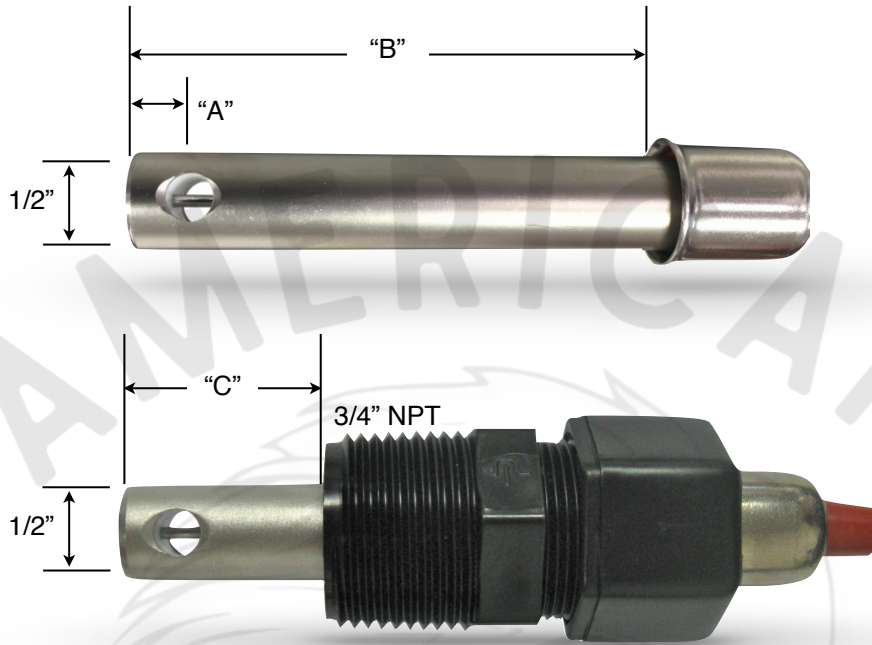
Polypropylene Fitting - 1/2" or 3/4" NPT
316L Stainless Steel Fitting - 1/2" NPT
Kynar Fitting - 1/2" NPT

Electrical - 24 gauge stripped and tinned ends.

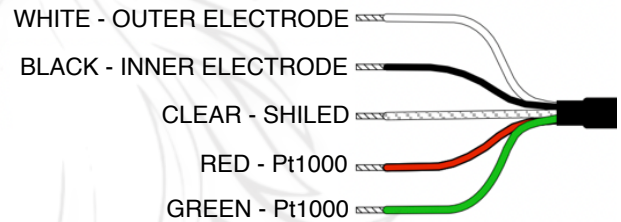
TEMPERATURE ELEMENT:

Pt1000 and Pt100 are standard, other options available.
 Provide the make and model of instrument for assistance in selecting the correct temperature element.

TITLE			
ACS10 CONDUCTIVITY SENSORS			
SIZE	PROJECT	DRAWING NO.	REV.
A	ACS	9002	A



SENSOR DIMENSIONS			
PN #	"A"	"B"	"C"
ACS51-0.01	1.30"	3.35"	1.60"
ACS51-0.1	0.30"	2.75"	1.00"
ACS51-1.0	0.30"	2.75"	1.00"



ACS51 CONDUCTIVITY SENSOR SPECIFICATIONS

MAX. PRESSURE/TEMP. RATINGS

100 PSIG at 100°C w/Polypro Fitting
 150 PSIG at 120°C w/Kynar Fitting
 200 PSIG at 120°C w/316SS Fitting
 500 PSIG at 100°C w/316SS Fitting

WETTED MATERIALS

Insulator - Teflon
O-rings - EPDM FDA Approved
Metals - 316L SS Standard; Monel, Titanium, Hastelloy C-276 optional.
Fittings - Polypropylene Standard, 316L SS, Kynar optional.

CELL CONSTANTS

ACS51- 1.0/0.1/0.01

CONNECTIONS:

Polypropylene Fitting - 1/2" or 3/4" NPT
316L Stainless Steel Fitting - 1/2" NPT
Kynar Fitting - 1/2" NPT

Electrical - 24 gauge stripped and tinned ends.

TEMPERATURE ELEMENT:

Pt1000 and Pt100 are standard, other options available.
 Provide the make and model of instrument for assistance in selecting the correct temperature element.

TITLE

ACS10 & ACS51 CONDUCTIVITY SENSORS

SIZE	PROJECT	DRAWING NO.	REV.
A	ACS	9002	A