



**Connection Diagram of ZEUS™ pH Sensors Item # 1202 for use with
pH transmitters that interface Analog pH sensors WITHOUT Preamplifiers
Contact ASTI for terminal assignments to your specific mating pH transmitter**

ASTI Cable Color Coding	Instrument Terminal Value	pH Transmitter Terminal (Write below for records)
Clear	Active pH mV Signal	
Red	Reference	
Black	Pt1000 TC Element	
Black	Pt1000 TC Element	
Green	Liquid Earth Solution Ground (Hastelloy® C-276 Alloy)	
Drain	Outer Shield	

Note 1: The liquid earth solution ground may not be used for all pH transmitters. If one is not required simply do not connect the green lead but rather fold it back and tape it off.

Note 2: The outer shield drain connection may not be used for all pH transmitters. If one is not required simply do not connect the green lead but rather fold it back and tape it off.

Note 3: Be sure to select the Pt1000 type input on your transmitter to ensure compatibility with the platinum temperature compensation element in your ZEUS™ pH Sensor.

Note 4: The ZEUS™ pH Sensors Item # 1202 is supplied with 25 feet of integral cable. This cable should not be cut or adulterated in any way. If less cable length is desired you must coil-up any surplus unused cable carefully and secure appropriately. If a cable length longer than 25 feet is required please choose an alternate configuration of the ZEUS™ pH Sensor:

- * Item # 1203 for pH transmitters supporting analog conventional preamplifiers (max 330 feet)**
- * Item # 1204 for pH transmitters supporting analog 5-wire differential preamps (max 1000 feet)**
- * Item # 1205 smart digital pH sensor for 3TX-HiQ-pH digital transmitters (max 2000 feet)**