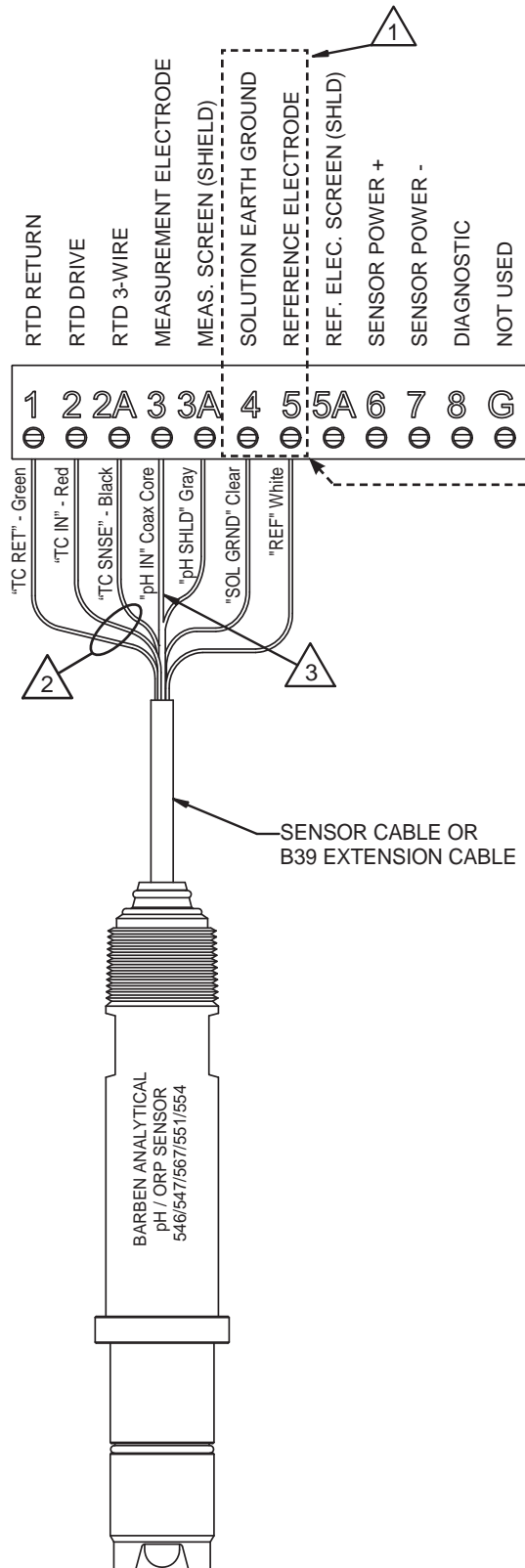


## BARBEN SENSOR: "E" TERMINATION

e.g. (B-V-546-X-XX-X-X-X-E-XX)



## "IMPORTANT WARNINGS"



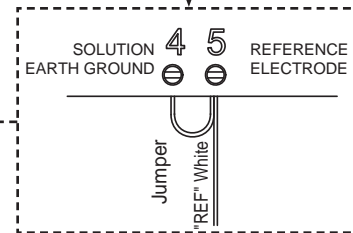
THE WIRING SHOWS A SENSOR WITH A SOLUTION GROUND. THIS OPTION IS DESIGNATED WITH WITH "GT", "UT" OR "LT" IN THE MODEL NUMBER.

e.g. (B-V-546-X-LT-X-X-X-X-X)

SENSORS WITHOUT A SOLUTION GROUND HAVE "FT", "ST" OR "DT" IN THE MODEL NUMBER.

e.g. (B-V-546-X-DT-X-X-X-X-X)

**SENSORS WITHOUT A SOLUTION GROUND REQUIRE THAT SENSOR DIAGNOSTICS BE TURNED OFF IN THE TRANSMITTER AND A JUMPER IS INSTALLED AS SHOWN BELOW.**



FOR SENSORS WITHOUT TEMPERATURE COMPENSATION DISREGARD TC WIRES. PROGRAM ANALYZER FOR MANUAL TEMPERATURE COMPENSATION.



FOR ORP/REDOX SENSORS COAX CORE WILL BE LABELED AS "ORP IN" AND WIRING IS THE SAME.

## ANALYZER CONFIGURATION & SETTINGS

### WIRING

#### Sensor Lead

"TC RET" - Green  
"TC IN" - Red  
"TC SNSE" - Black  
"pH IN" - Coax Core Shield  
"pH SHLD" - Coax Shield  
"SOL GRND" - Clear (Drain)  
"REF" - White

#### Analyzer Terminal

(1) RTD Return  
(2) RTD Drive  
(2A) RTD 3-Wire  
(3) Measurement Electrode  
(3A) Meas. Screen (Shield)  
(4) Solution Earth Ground  
(5) Reference Electrode

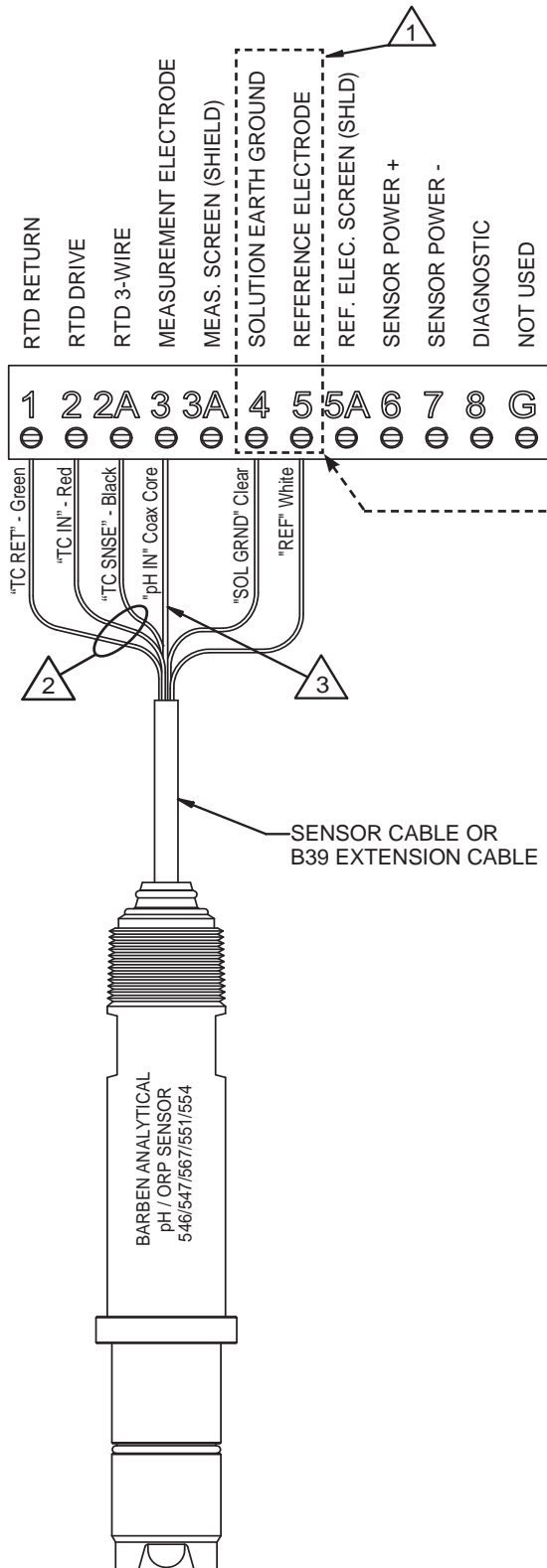
- ALL ANALYZERS ACCEPT PT100, PT1000, OR 3.01kΩ RTD TEMPERATURE INPUTS.
- SELECT TEMPERATURE COMPENSATION MODE IN ANALYZER BASED ON THE TYPE OF RTD

# Wiring Diagram

## Foxboro (Invensys) 875PH & 876PH

### BARBEN SENSOR: "C" TERMINATION

e.g. (B-V-546-X-XX-X-X-X-**C**-XX)



### "IMPORTANT WARNINGS"



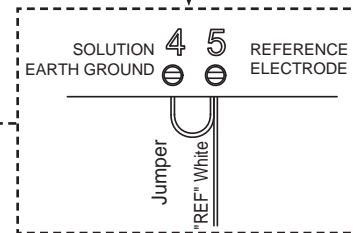
THE WIRING SHOWS A SENSOR WITH A SOLUTION GROUND. THIS OPTION IS DESIGNATED WITH WITH "GT", "UT" OR "LT" IN THE MODEL NUMBER.

e.g. (B-V-546-X-**LT**-X-X-X-X-X)

SENSORS WITHOUT A SOLUTION GROUND HAVE "FT", "ST" OR "DT" IN THE MODEL NUMBER.

e.g. (B-V-546-X-**DT**-X-X-X-X-X)

**SENSORS WITHOUT A SOLUTION GROUND REQUIRE THAT SENSOR DIAGNOSTICS BE TURNED OFF IN THE TRANSMITTER AND A JUMPER IS INSTALLED AS SHOWN BELOW.**



FOR SENSORS WITHOUT TEMPERATURE COMPENSATION DISREGARD TC WIRES. PROGRAM ANALYZER FOR MANUAL TEMPERATURE COMPENSATION.



FOR ORP/REDOX SENSORS COAX CORE WILL BE LABELED AS "ORP IN" AND WIRING IS THE SAME.

### ANALYZER CONFIGURATION & SETTINGS

#### • WIRING

##### Sensor Lead

"TC RET" - Green  
 "TC IN" - Red  
 "TC SNSE" - Black  
 "pH IN" - Coax Core Shield  
 "SOL GRND" - Clear (Drain)  
 "REF" - White

##### Analyzer Terminal

(1) RTD Return  
 (2) RTD Drive  
 (2A) RTD 3-Wire  
 (3) Measurement Electrode  
 (4) Solution Earth Ground  
 (5) Reference Electrode

- ALL ANALYZERS ACCEPT PT100, PT1000, OR 3.01kΩ RTD TEMPERATURE INPUTS.
- SELECT TEMPERATURE COMPENSATION MODE IN ANALYZER BASED ON THE TYPE OF RTD

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