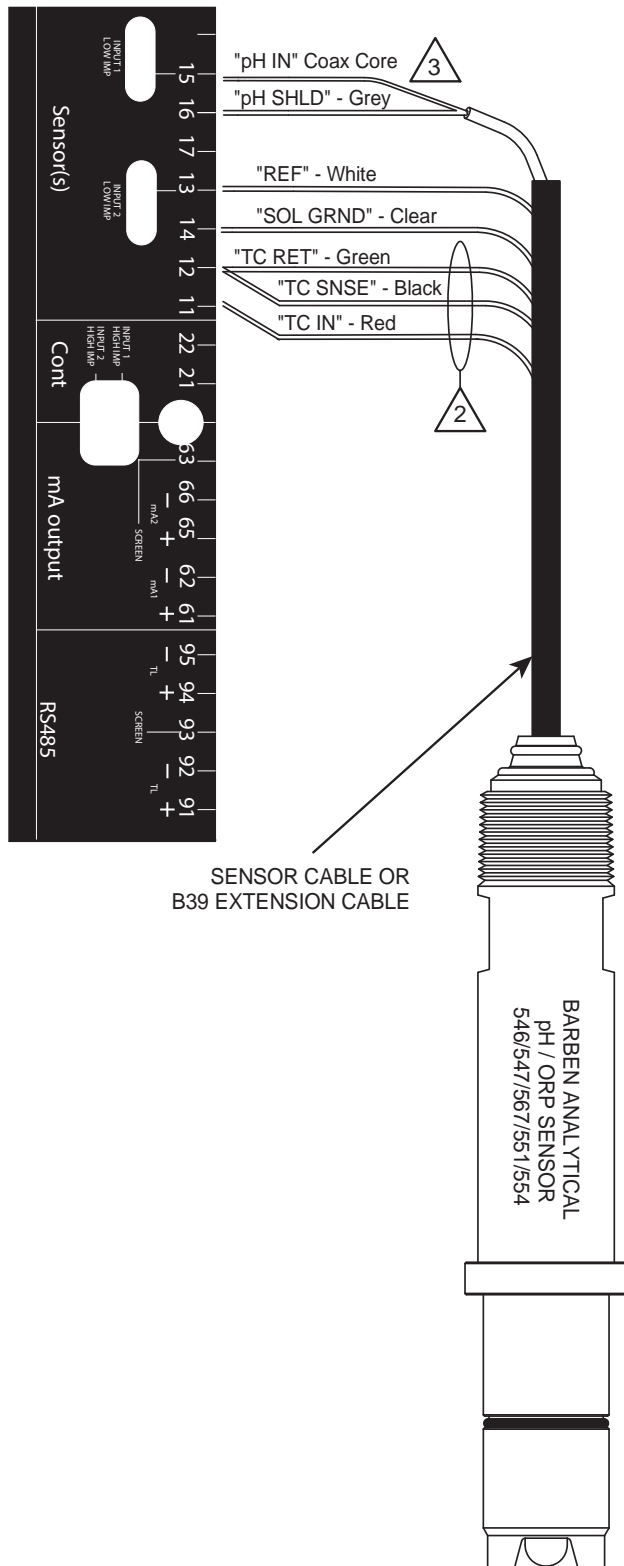


## BARBEN SENSOR: "E" TERMINATION

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



## "IMPORTANT WARNINGS"



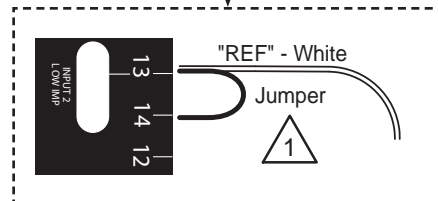
THE WIRING SHOWS A SENSOR WITH A SOLUTION GROUND. THIS OPTION IS DESIGNATED WITH WITH "GT", "UT" OR "LT" IN THE MODEL NUMBER.

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.

NOTE - EXA PH402G ACCEPTS 2 WIRE TC's. USERS CAN WIRE AS SHOWN OR IF PREFERRED CUT BACK GREEN "TC RET" LEAD.



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

## ANALYZER CONFIGURATION & SETTINGS

### • WIRING

#### Sensor Lead

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

#### Analyzer Terminal

Terminal (16)  
 Terminal (15)  
 Terminal (13)  
 Terminal (14)  
 Terminal (12)  
 Terminal (12)  
 Terminal (11)

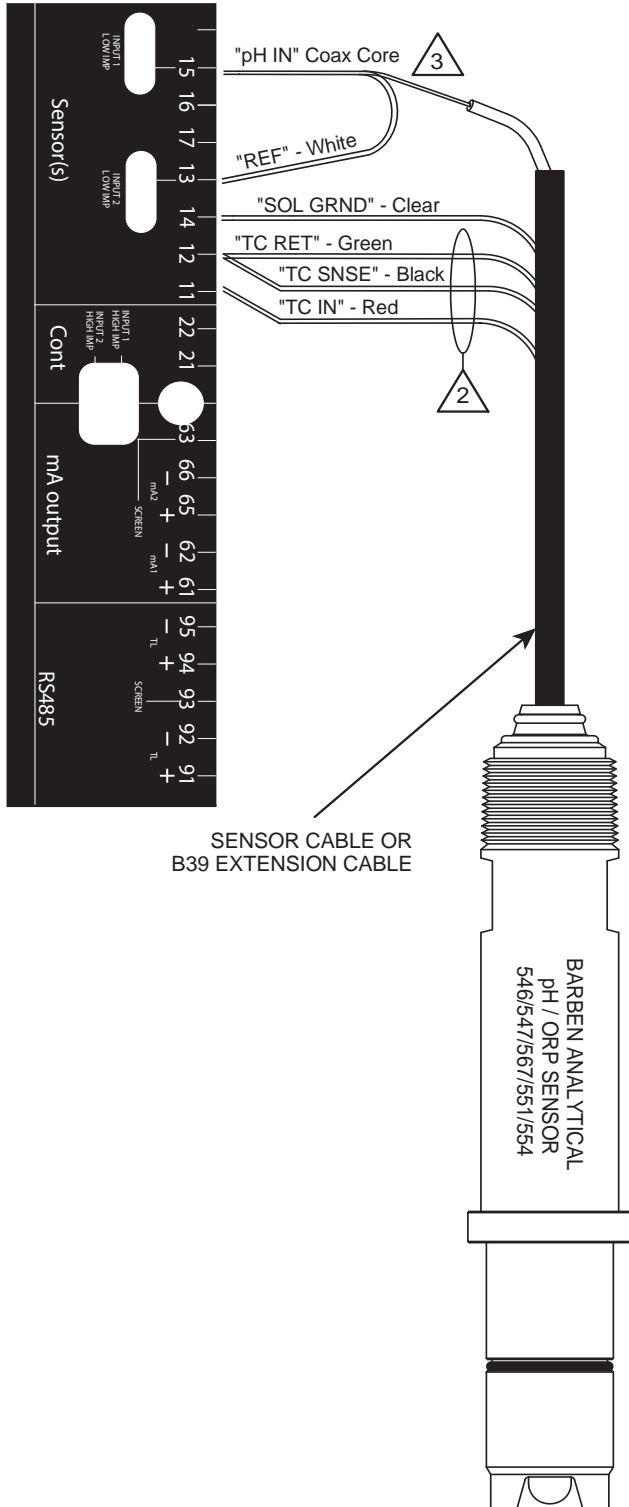
- SELECT PT100, PT1000, OR 3.01kΩ RTD BASED ON SENSOR
- SELECT AUTOMATIC TEMPERATURE COMPENSATION MODE
- USE YOKO SUPPLIED LOW IMPEDANCE JUMPER AT INPUT 2

# Wiring Diagram

## Yokogawa EXA PH402G

### BARBEN SENSOR: "C" TERMINATION

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



SENSOR CABLE OR B39 EXTENSION CABLE

### "IMPORTANT WARNINGS"



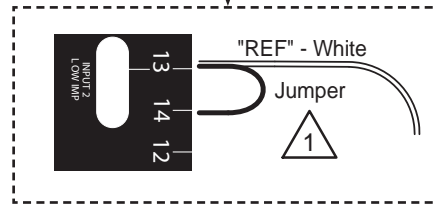
THE WIRING SHOWS A SENSOR WITH A SOLUTION GROUND. THIS OPTION IS DESIGNATED WITH WITH "GT", "UT" OR "LT" IN THE MODEL NUMBER.

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.

NOTE - EXA PH402G ACCEPTS 2 WIRE TC's. USERS CAN WIRE AS SHOWN OR IF PREFERRED CUT BACK GREEN "TC RET" LEAD.



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

### ANALYZER CONFIGURATION & SETTINGS

- WIRING

#### Sensor Lead

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

#### Analyzer Terminal

Terminal (15)  
 Terminal (13)  
 Terminal (14)  
 Terminal (12)  
 Terminal (12)  
 Terminal (11)

- SELECT PT100, PT1000, OR 3.01kΩ RTD BASED ON SENSOR
- SELECT AUTOMATIC TEMPERATURE COMPENSATION MODE
- USE YOKO SUPPLIED LOW IMPEDANCE JUMPER AT INPUT 2

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