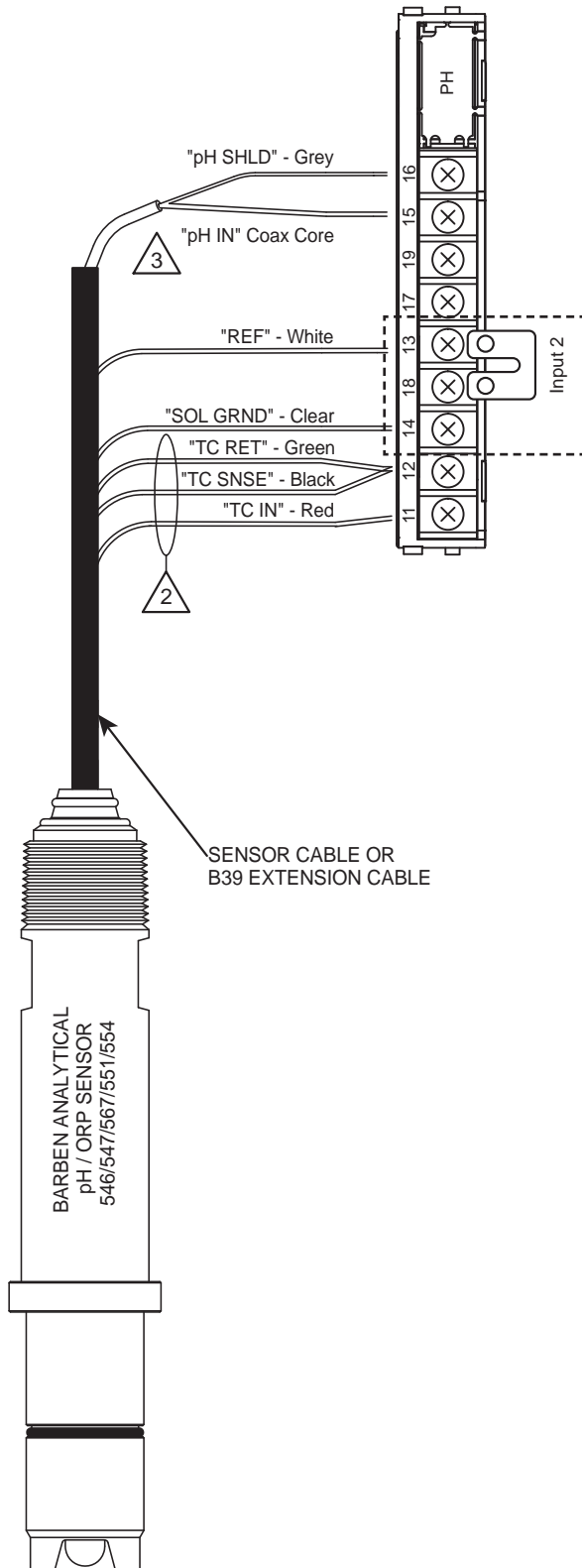


## BARBEN SENSOR: "E" TERMINATION

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



## "IMPORTANT WARNINGS"



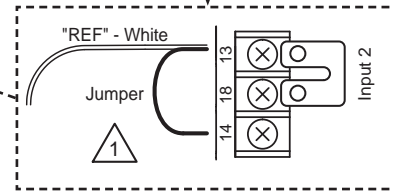
THE WIRING SHOWS A SENSOR WITH A SOLUTION GROUND. THIS OPTION IS DESIGNATED WITH WITH "GT", "UT" OR "LT" IN THE MODEL NUMBER.

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 - FLXA21 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

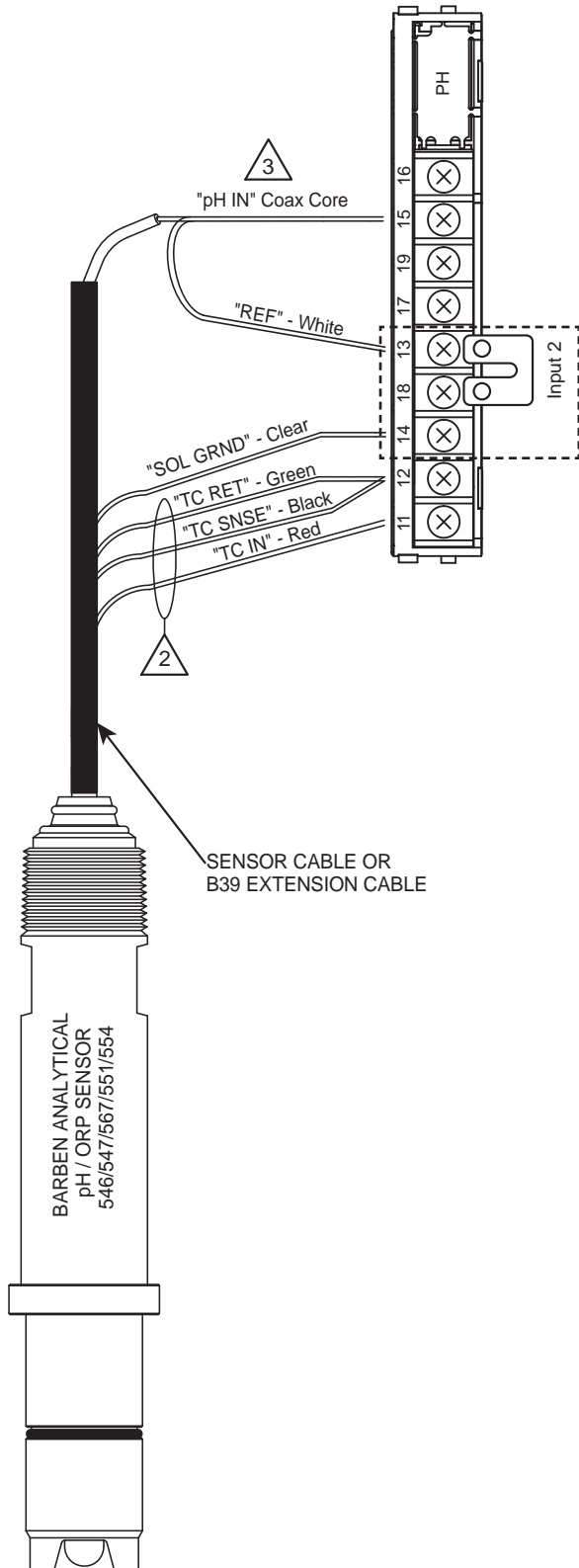
(16) INPUT 1  
 (15) INPUT 1  
 (13) INPUT 2  
 (14) LE  
 (12) TEMP  
 (12) TEMP  
 (11) TEMP

- 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 FLXA21

## BARBEN SENSOR: "C" TERMINATION

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



## "IMPORTANT WARNINGS"



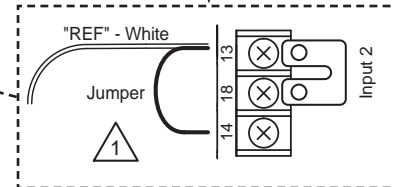
THE WIRING SHOWS A SENSOR WITH A SOLUTION GROUND. THIS OPTION IS DESIGNATED WITH WITH "GT", "UT" OR "LT" IN THE MODEL NUMBER.

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.

NOTE - FLXA21 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

(15) INPUT 1  
(13) INPUT 2  
(14) LE  
(12) TEMP  
(12) TEMP  
(11) TEMP

- 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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