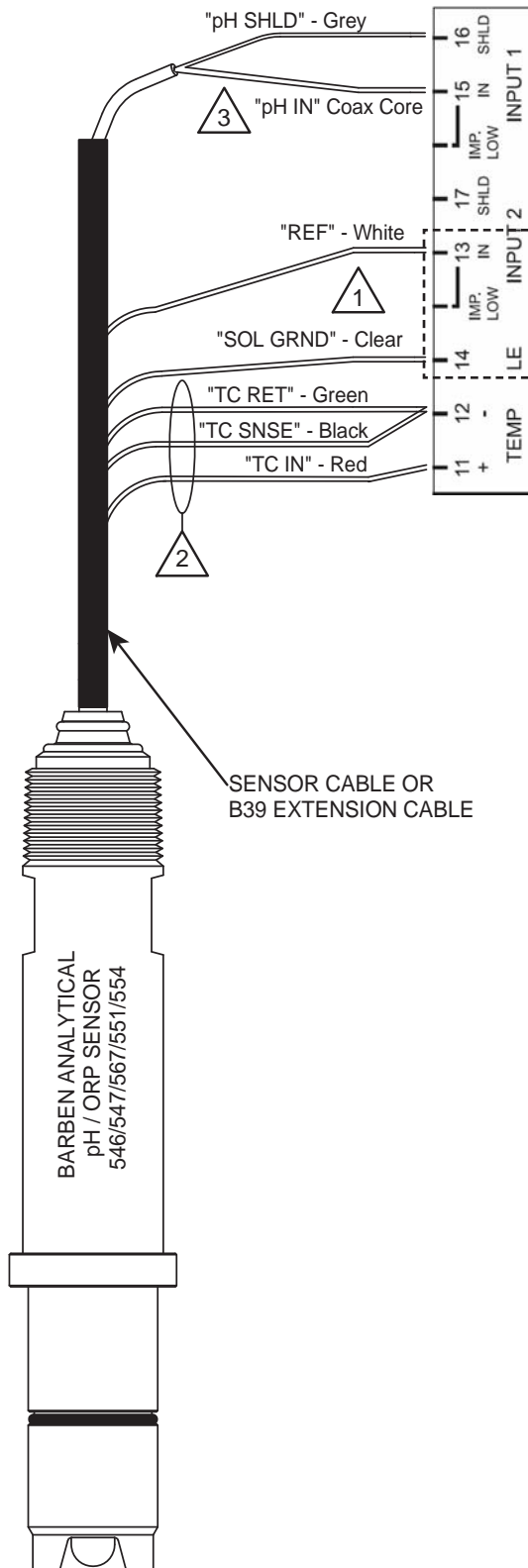


BARBEN SENSOR: "E" TERMINATION

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



"IMPORTANT WARNINGS"



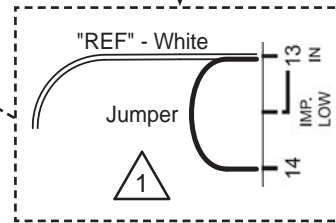
THE WIRING SHOWS A SENSOR WITH A SOLUTION GROUND. THIS OPTION IS DESIGNATED WITH WITH "GT", "UT" OR "LT" IN THE MODEL NUMBER.

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 PH450G 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

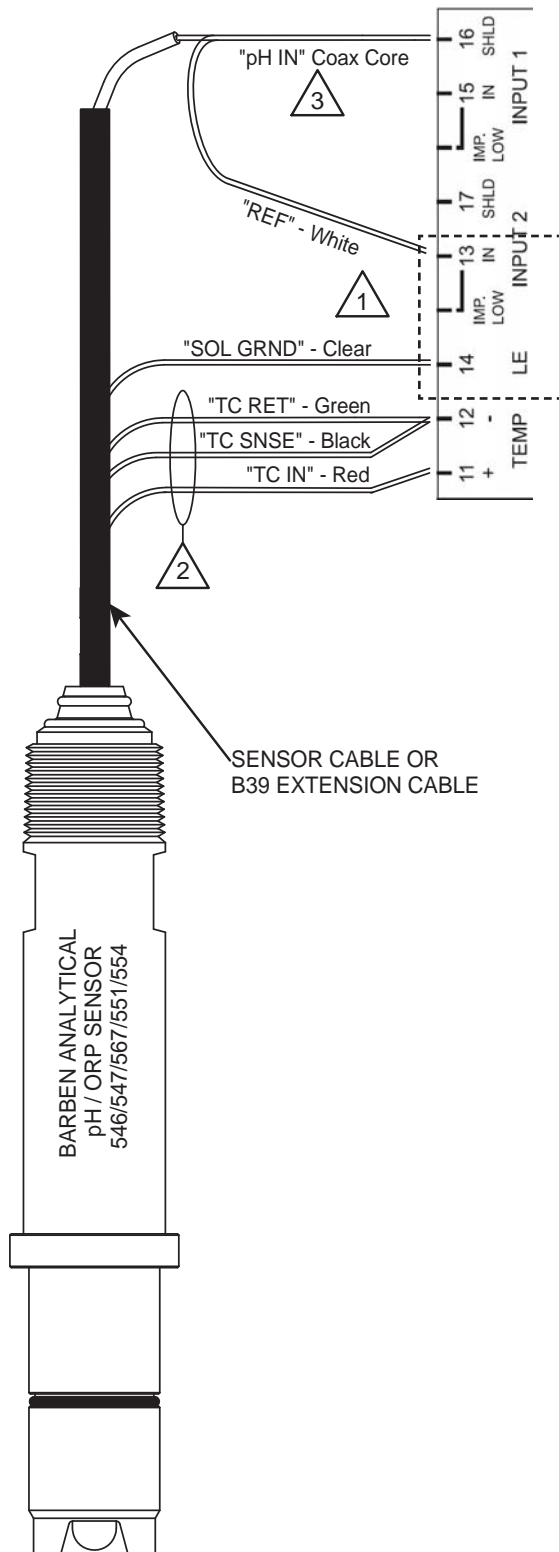
(16) INPUT 1
 (15) INPUT 1
 (13) INPUT 2
 (14) LE
 (12) TEMP
 (12) TEMP
 (11) TEMP

- 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 EXA PH450G

BARBEN SENSOR: "C" TERMINATION

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



"IMPORTANT WARNINGS"



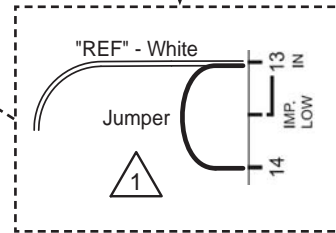
THE WIRING SHOWS A SENSOR WITH A SOLUTION GROUND. THIS OPTION IS DESIGNATED WITH WITH "GT", "UT" OR "LT" IN THE MODEL NUMBER.

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 - EXA PH450G 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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