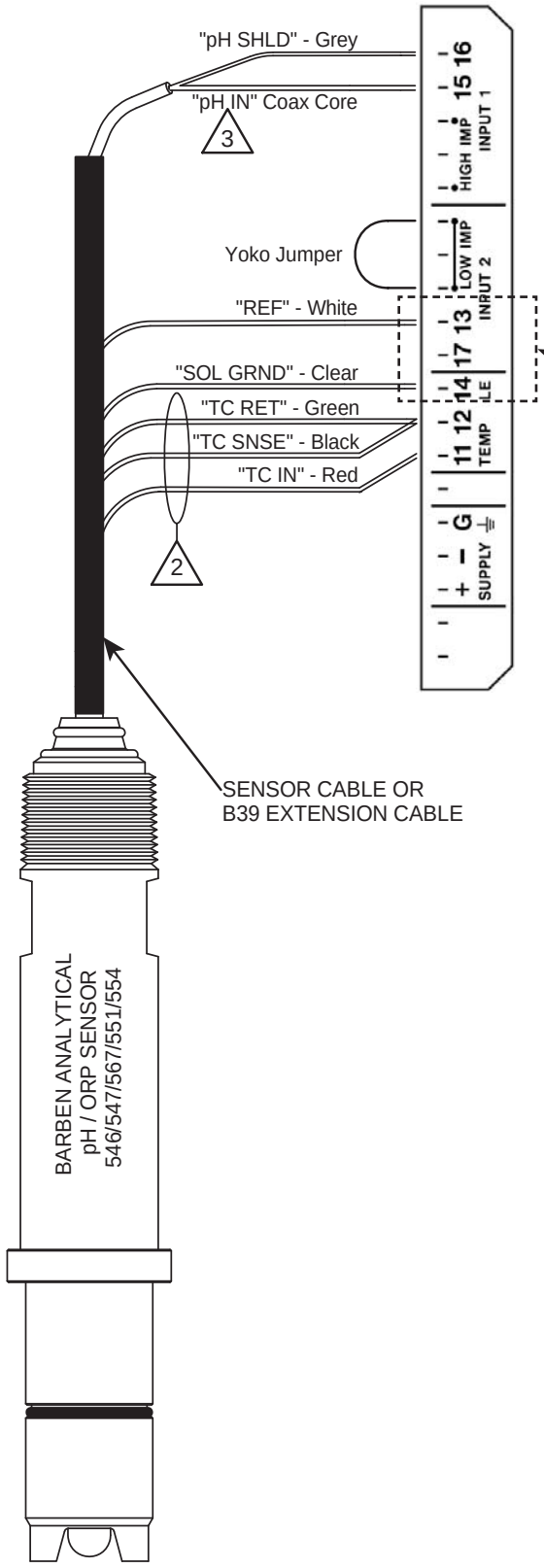
Wiring Diagram
Yokogawa EXA PH202

BARBEN SENSOR: "E" TERMINATION

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

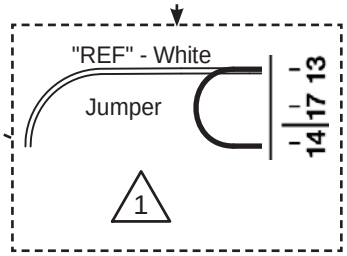


"IMPORTANT WARNINGS"

1 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-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-X)

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



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

NOTE - EXA PH202 ACCEPTS 2 WIRE TC's. USERS CAN WIRE AS SHOWN OR IF PREFERRED CUT BACK GREEN "TC RET" LEAD.

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

ANALYZER CONFIGURATION & SETTINGS

- WIRING

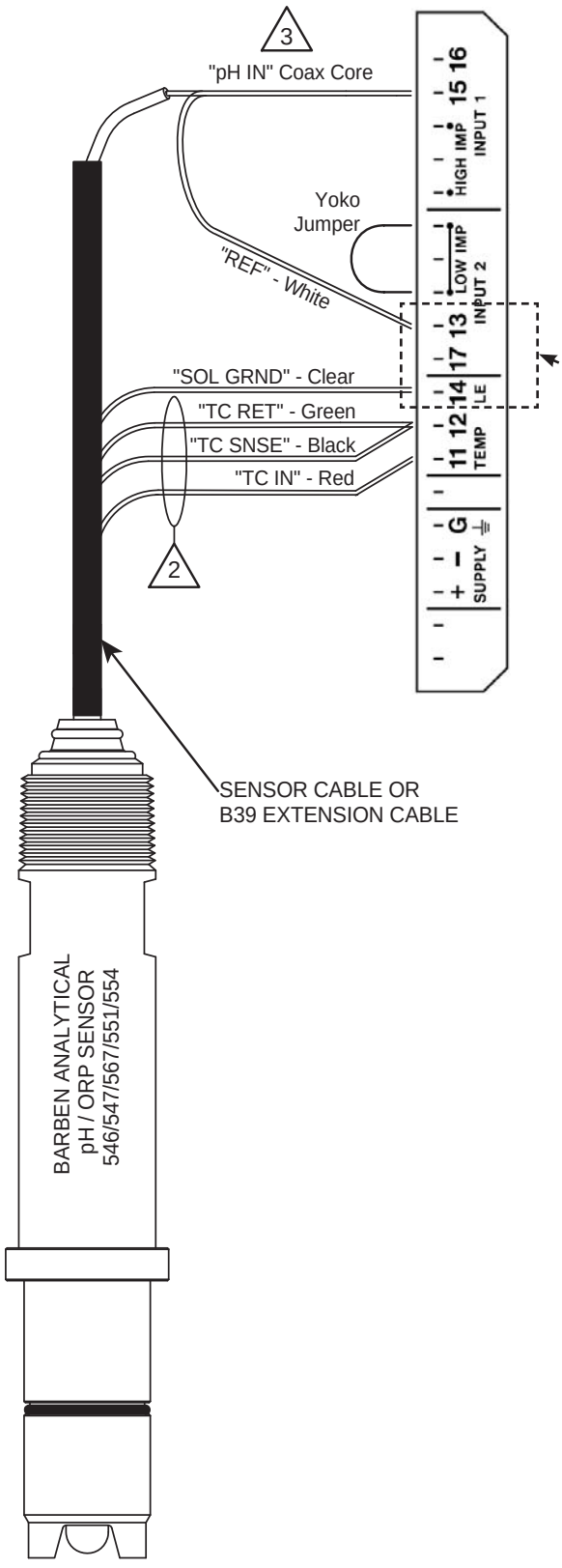
Sensor Lead	Analyzer Terminal
"pH SHLD" - Coax Shield	(16) INPUT 1
"pH IN" - Coax Core Shield	(15) INPUT 1
"REF" - White	(13) INPUT 2
"SOL GRND" - Clear (Drain)	(14) LE
"TC RET" - Green	(12) TEMP
"TC SNSE" - Black	(12) TEMP
"TC IN" - Red	(11) TEMP

- 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 PH202

BARBEN SENSOR: "C" TERMINATION

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

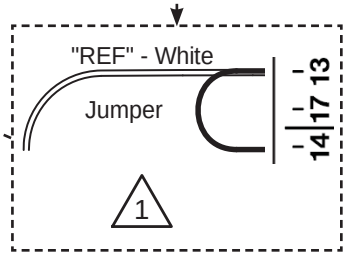


"IMPORTANT WARNINGS"

1 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-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-X)

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



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

NOTE - EXA PH202 ACCEPTS 2 WIRE TC's. USERS CAN WIRE AS SHOWN OR IF PREFERRED CUT BACK GREEN "TC RET" LEAD.

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

ANALYZER CONFIGURATION & SETTINGS

- WIRING

Sensor Lead	Analyzer Terminal
"pH IN" - Coax Core Shield	(15) INPUT 1
"REF" - White	(13) INPUT 2
"SOL GRND" - Clear (Drain)	(14) LE
"TC RET" - Green	(12) TEMP
"TC SNSE" - Black	(12) TEMP
"TC IN" - Red	(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

AMETEK®
USA • BELGIUM • CHINA • SINGAPORE
Toll Free +1(800)993-9309 • **Phone** +1(775)883-2500 • **Fax** +1(775)297-4740
Sales.Barben@Ametek.com • www.BarbenAnalytical.com