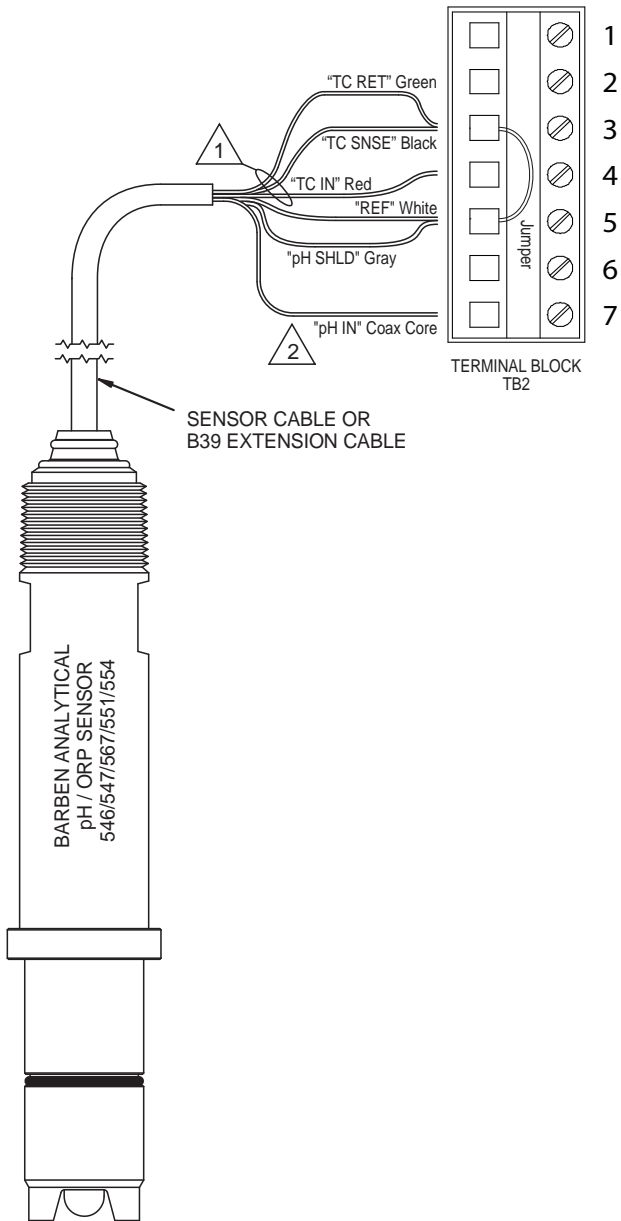


## BARBEN SENSOR: "E" TERMINATION

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



## "IMPORTANT WARNINGS"

THE WIRING SHOWS A CONVENTIONAL PH SENSOR WITHOUT A SOLUTION GROUND. THE P3 TRANSMITTER DOES NOT UTILIZE THE DIAGNOSTICS FUNCTIONS PROVIDED BY A SOLUTION GROUND. BARBEN ANALYTICAL RECOMMENDS THAT ONLY PH/ORP SENSORS WITHOUT A SOLUTION GROUND BE CONNECTED TO THIS PRODUCT.

PLEASE CONSULT FACTORY SHOULD YOU NEED TO CONNECT A PH/ORP SENSOR WITH A SOLUTION GROUND.

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 WITH A SOLUTION GROUND ARE DESIGNATED WITH "GT", "UT" OR "LT" IN THE MODEL NUMBER.  
e.g. (B-V-546-X-LT-X-X-X-X-X)



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 SNSE" - Black  
 "TC IN" - Red  
 "REF" - White  
 "pH SHLD" - Coax Shield  
 "pH IN" - Coax Core Shield

**Terminal Block**

(3) Shield/Black  
 (3) Shield/Black  
 (4) Yellow (Temp)  
 (5) Green (Ref)  
 (5) Green (Ref)  
 (7) Red (Active)

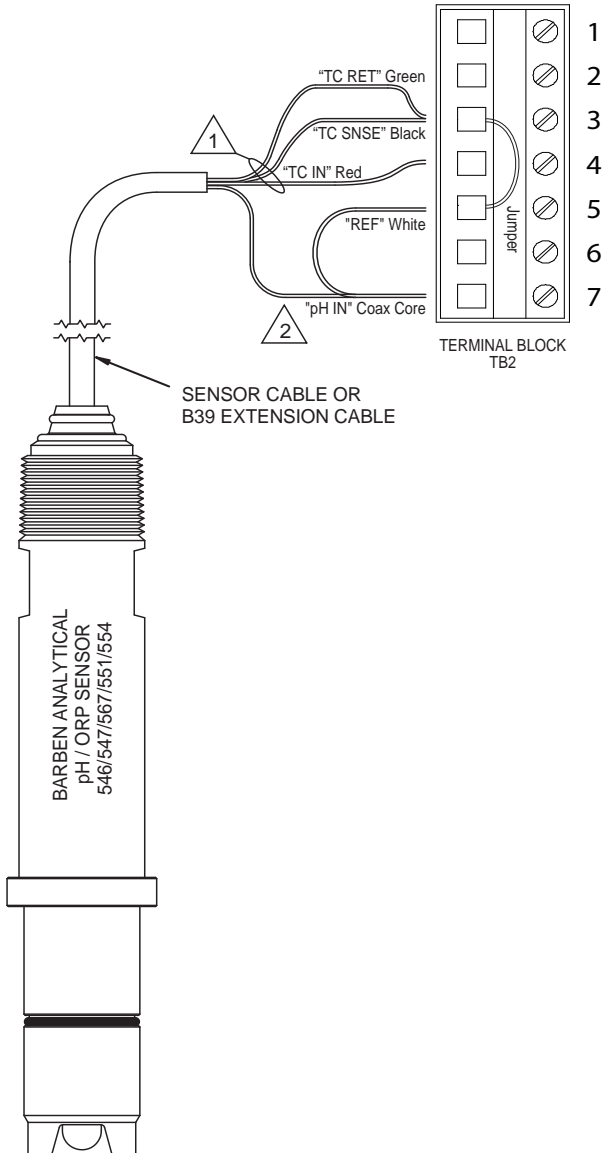
- SELECT EITHER "COMBINATION pH" OR "ORP" IN THE MENU SELECTION FOR SENSOR TYPE
- SELECT PT100 OR PT1000 RTD BASED ON SENSOR
- SELECT AUTOMATIC TEMPERATURE COMPENSATION MODE

# Wiring Diagram

## Hach / GLI Pro Series Model P3

### BARBEN SENSOR: "C" TERMINATION

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



### "IMPORTANT WARNINGS"

THE WIRING SHOWS A CONVENTIONAL PH SENSOR WITHOUT A SOLUTION GROUND. THE P3 TRANSMITTER DOES NOT UTILIZE THE DIAGNOSTICS FUNCTIONS PROVIDED BY A SOLUTION GROUND. BARBEN ANALYTICAL RECOMMENDS THAT ONLY PH/ORP SENSORS WITHOUT A SOLUTION GROUND BE CONNECTED TO THIS PRODUCT.

PLEASE CONSULT FACTORY SHOULD YOU NEED TO CONNECT A PH/ORP SENSOR WITH A SOLUTION GROUND.

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 WITH A SOLUTION GROUND ARE DESIGNATED WITH "GT", "UT" OR "LT" IN THE MODEL NUMBER.

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



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 SENSE" - Black  
 "TC IN" - Red  
 "REF" - White  
 "pH IN" - Coax Core Shield

#### Terminal Block

(3) Shield/Black  
 (3) Shield/Black  
 (4) Yellow (Temp)  
 (5) Green (Ref)  
 (7) Red (Active)

- SELECT EITHER "COMBINATION pH" OR "ORP" IN THE MENU SELECTION FOR SENSOR TYPE
- SELECT PT100 OR PT1000 RTD BASED ON SENSOR
- SELECT AUTOMATIC TEMPERATURE COMPENSATION MODE

Barben Analytical reserves the right to make technical changes or modify the contents of this document without prior notice. We reserve all rights in this document and in the subject matter and illustrations contained within.