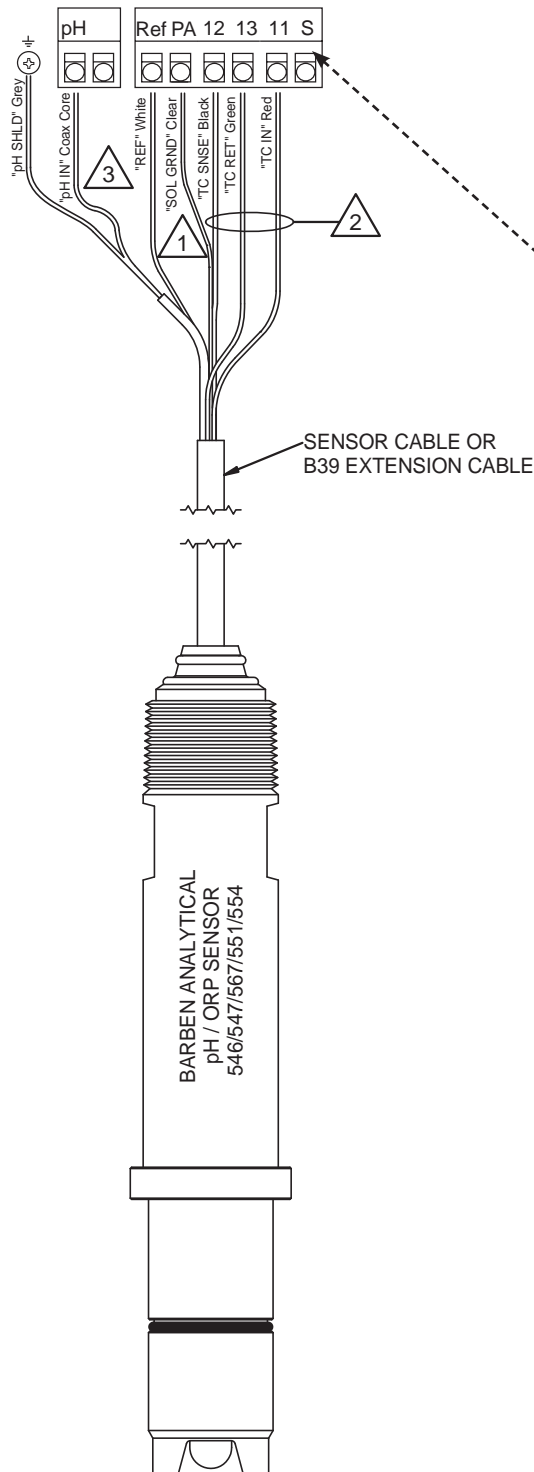


### BARBEN SENSOR: "E" TERMINATION

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



### "IMPORTANT WARNINGS"



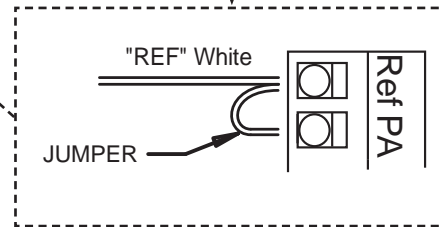
THE WIRING SHOWS A SENSOR WITH A SOLUTION GROUND. THIS OPTION IS DESIGNATED WITH WITH "GT", "UT" OR "LT" IN THE MODEL NUMBER.

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.



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

#### Analyzer Terminal

pH  
 Ref  
 Ref  
 PA  
 11  
 12  
 13

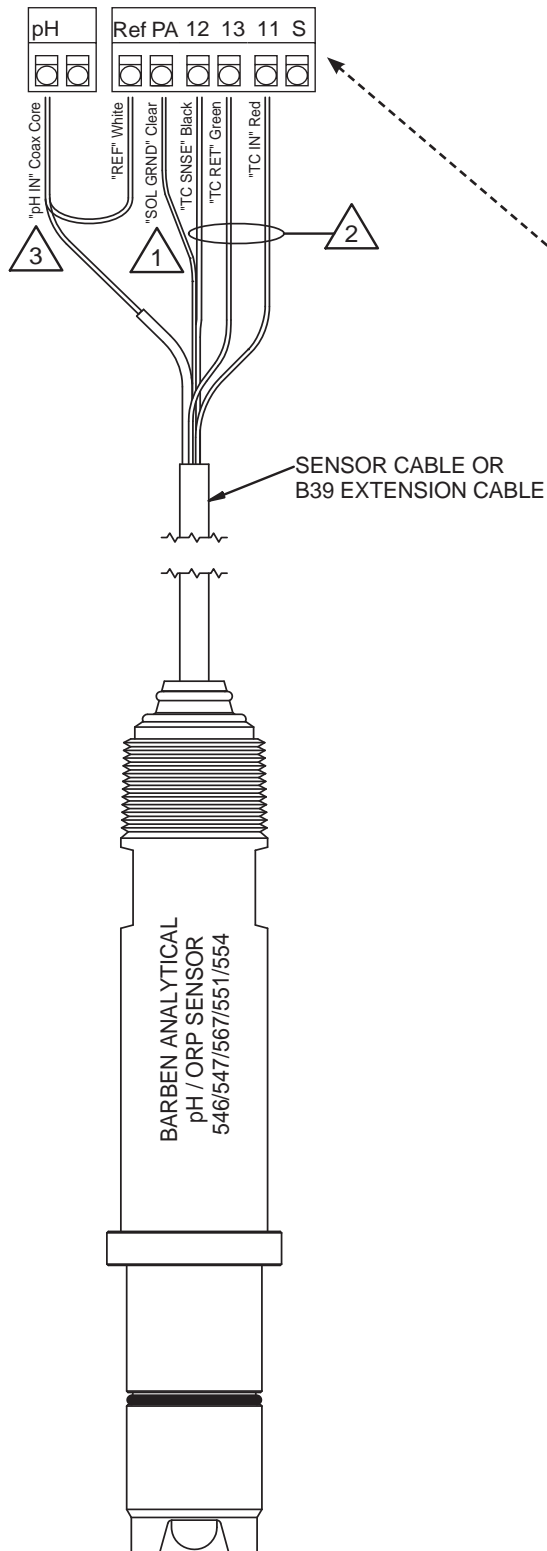
- SELECT PT100 OR PT1000 RTD BASED ON SENSOR
- SELECT AUTOMATIC TEMPERATURE COMPENSATION MODE
- THE CPM153 ANALYZER COMES PRE-CONFIGURED FOR CONNECTION TO EITHER CONVENTIONAL GLASS PH SENSORS OR MEMOSENS DIGITAL SENSORS. THE MEMOSENS VERSION IS NOT COMPATIBLE WITH BARBEN OR OTHER BRANDS OF GLASS PH SENSORS.

# Wiring Diagram

## Endress & Hauser Mycom S CPM153

### BARBEN SENSOR: "C" TERMINATION

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



### "IMPORTANT WARNINGS"



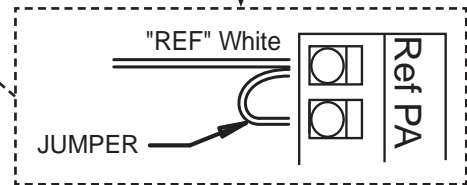
THE WIRING SHOWS A SENSOR WITH A SOLUTION GROUND. THIS OPTION IS DESIGNATED WITH WITH "GT", "UT" OR "LT" IN THE MODEL NUMBER.

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



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

<u>Sensor Lead</u>	<u>Analyzer Terminal</u>
"pH IN" - Coax Core Shield	pH
"REF" - White	Ref
"SOL GRND" - Clear (Drain)	PA
"TC IN" - Red	11
"TC SNSE" - Black	12
"TC RET" - Green	13

- SELECT PT100 OR PT1000 RTD BASED ON SENSOR
- SELECT AUTOMATIC TEMPERATURE COMPENSATION MODE
- THE CPM153 ANALYZER COMES PRE-CONFIGURED FOR CONNECTION TO EITHER CONVENTIONAL GLASS PH SENSORS OR MEMOSENS DIGITAL SENSORS. THE MEMOSENS VERSION IS NOT COMPATIBLE WITH BARBEN OR OTHER BRANDS OF GLASS PH SENSORS.

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