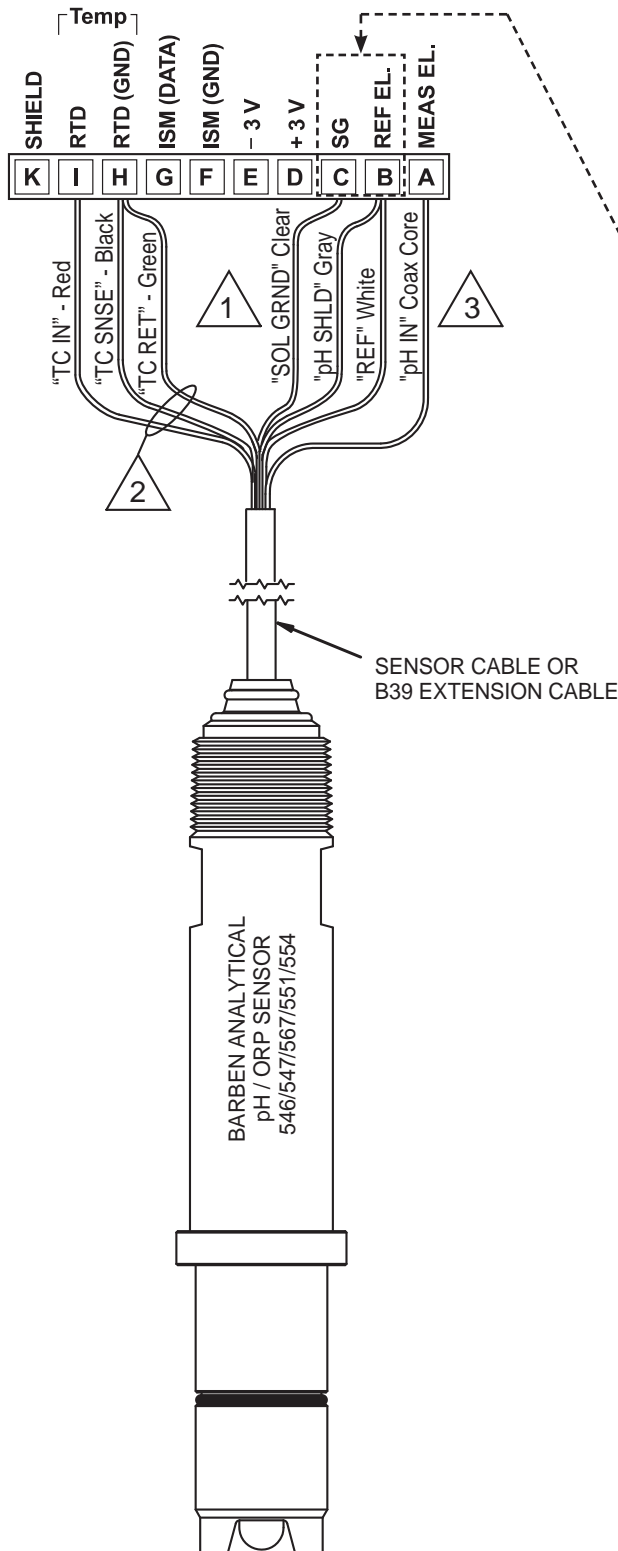


BARBEN SENSOR: "E" TERMINATION

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



"IMPORTANT WARNINGS"



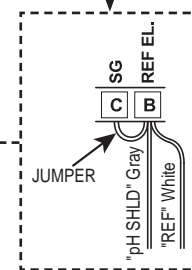
THE WIRING SHOWS A SENSOR WITH A SOLUTION GROUND. THIS OPTION IS DESIGNATED WITH WITH "GT", "UT" OR "LT" IN THE MODEL NUMBER.

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)

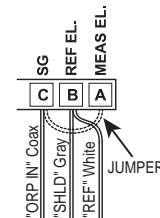
PH SENSORS WITHOUT A SOLUTION GROUND REQUIRE THAT SENSOR DIAGNOSTICS BE TURNED OFF IN THE TRANSMITTER AND A JUMPER IS INSTALLED AS SHOWN BELOW.



FOR SENSORS WITHOUT TEMPERATURE COMPENSATION DISREGARD TC WIRES. PROGRAM ANALYZER FOR MANUAL TEMPERATURE COMPENSATION. THE M420 ACCEPTS ONLY 2-WIRE TEMPERATURE INPUTS. USERS CAN WIRE AS SHOWN OR, IF PREFERRED, CUT BACK THE GREEN "TC RET" LEAD.



FOR ORP/REDOX SENSORS COAX CORE WILL BE LABELED AS "ORP IN" AND WIRING IS SHOWN BELOW



ANALYZER CONFIGURATION & SETTINGS

• WIRING

Sensor Lead

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

Terminal Label

Terminal (A)
 Terminal (B)
 Terminal (B)
 Terminal (C)
 Terminal (H)
 Terminal (H)
 Terminal (I)

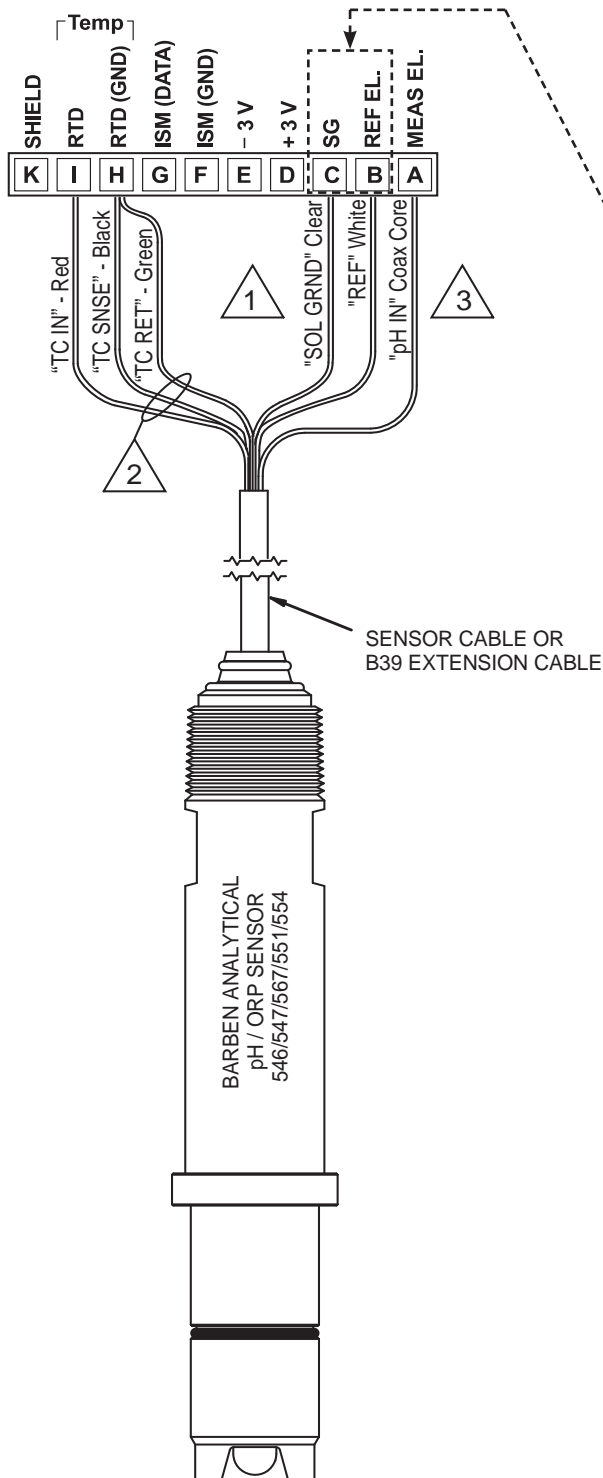
- SELECT PT100 OR PT1000 RTD BASED ON SENSOR
- SELECT AUTOMATIC TEMPERATURE COMPENSATION MODE
- THE SENSOR INPUT MUST BE SET TO "STANDARD" IN THE CONFIGURATION MENU

Wiring Diagram

Mettler Toledo M420

BARBEN SENSOR: "C" TERMINATION

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



"IMPORTANT WARNINGS"



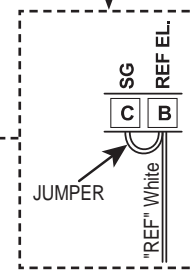
THE WIRING SHOWS A SENSOR WITH A SOLUTION GROUND. THIS OPTION IS DESIGNATED WITH WITH "GT", "UT" OR "LT" IN THE MODEL NUMBER.

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)

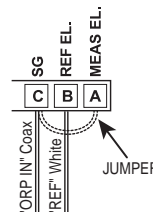
PH SENSORS WITHOUT A SOLUTION GROUND REQUIRE THAT SENSOR DIAGNOSTICS BE TURNED OFF IN THE TRANSMITTER AND A JUMPER IS INSTALLED AS SHOWN BELOW.



FOR SENSORS WITHOUT TEMPERATURE COMPENSATION DISREGARD TC WIRES. PROGRAM ANALYZER FOR MANUAL TEMPERATURE COMPENSATION. THE M420 ACCEPTS ONLY 2-WIRE TEMPERATURE INPUTS. USERS CAN WIRE AS SHOWN OR, IF PREFERRED, CUT BACK THE GREEN "TC RET" LEAD.



FOR ORP/REDOX SENSORS COAX CORE WILL BE LABELED AS "ORP IN" AND WIRING IS SHOWN BELOW



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

Terminal Label

Terminal (A)
 Terminal (B)
 Terminal (C)
 Terminal (H)
 Terminal (H)
 Terminal (I)

- SELECT PT100 OR PT1000 RTD BASED ON SENSOR
- SELECT AUTOMATIC TEMPERATURE COMPENSATION MODE
- THE SENSOR INPUT MUST BE SET TO "STANDARD" IN THE CONFIGURATION MENU

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