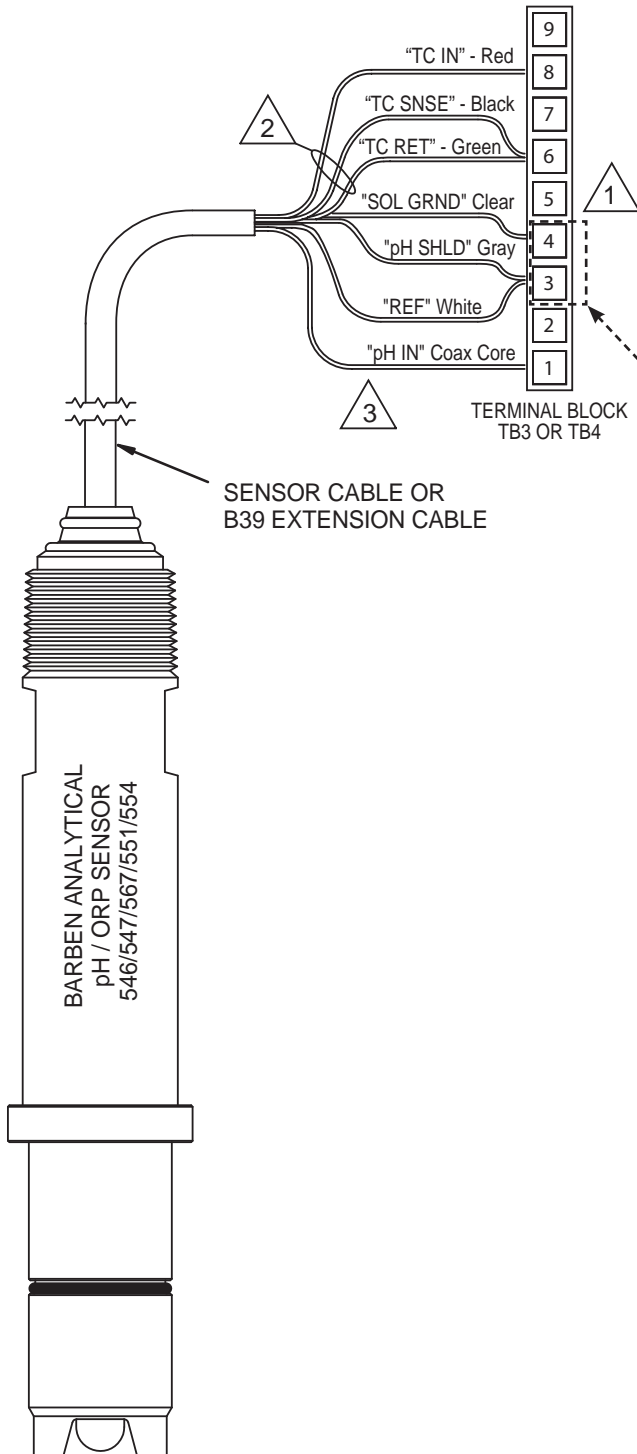


BARBEN SENSOR: "E" TERMINATION

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



"IMPORTANT WARNINGS"



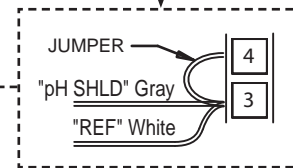
THE WIRING SHOWS A SENSOR WITH A SOLUTION GROUND. THIS OPTION IS DESIGNATED WITH WITH "GT", "UT" OR "LT" IN THE MODEL NUMBER.

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

Terminal Block TB3 / TB4

Terminal (1)
Terminal (3)
Terminal (3)
Terminal (4)
Terminal (6)
Terminal (6)
Terminal (8)

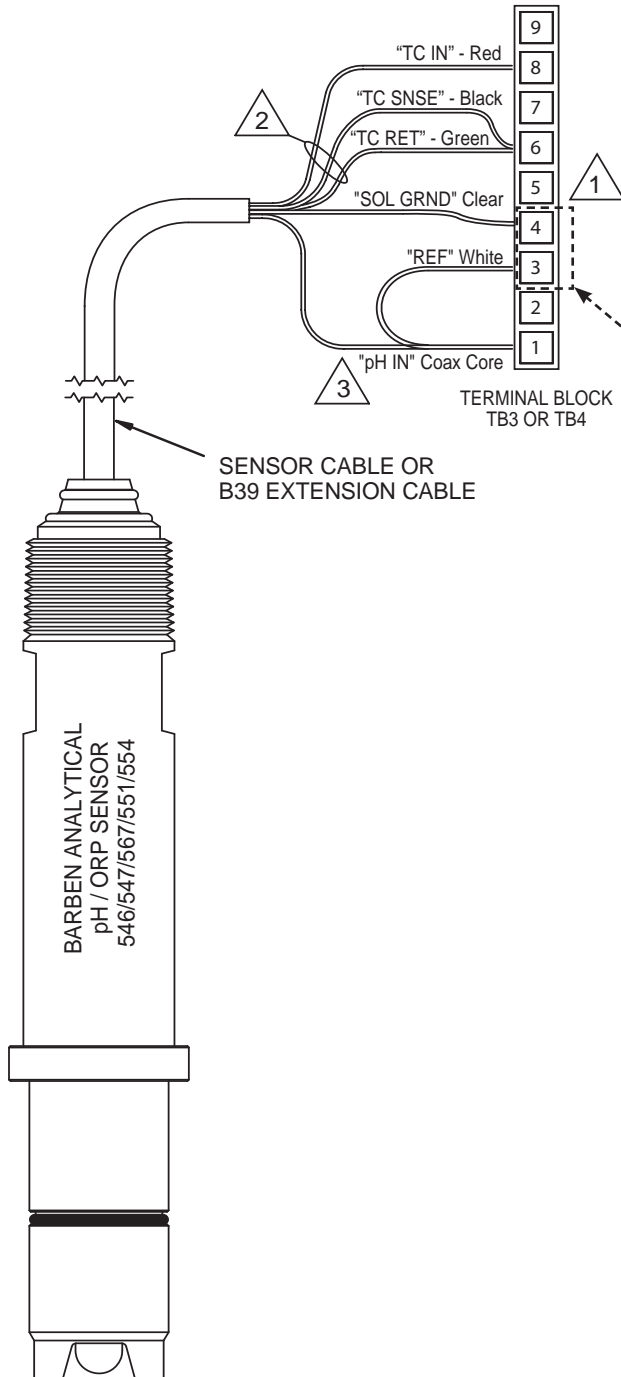
- SELECT PT100 OR PT1000 RTD BASED ON SENSOR
- SELECT AUTOMATIC TEMPERATURE COMPENSATION MODE
- NOTE: THE M300 ACCEPTS ONLY 2-WIRE TEMPERATURE INPUTS. USERS CAN WIRE AS SHOWN OR, IF PREFERRED, CUT BACK THE GREEN "TC RET" LEAD.
- THE M300 IS A MULTIPARAMETER TRANSMITTER. THE CHANNEL SETUP MUST BE SET FOR ANALOG PH/ORP.
- DUAL CHANNEL VERSIONS OF THE M300 WILL UTILIZE BOTH TB3 AND TB4 TERMINAL BLOCKS.

Wiring Diagram

Mettler Toledo M300

BARBEN SENSOR: "C" TERMINATION

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



"IMPORTANT WARNINGS"



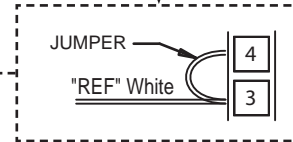
THE WIRING SHOWS A SENSOR WITH A SOLUTION GROUND. THIS OPTION IS DESIGNATED WITH WITH "GT", "UT" OR "LT" IN THE MODEL NUMBER.

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

Sensor Lead

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

Terminal Block TB3 / TB4

Terminal (1)
 Terminal (3)
 Terminal (4)
 Terminal (6)
 Terminal (6)
 Terminal (8)

- SELECT PT100 OR PT1000 RTD BASED ON SENSOR
- SELECT AUTOMATIC TEMPERATURE COMPENSATION MODE
- NOTE: THE M300 ACCEPTS ONLY 2-WIRE TEMPERATURE INPUTS. USERS CAN WIRE AS SHOWN OR, IF PREFERRED, CUT BACK THE GREEN "TC RET" LEAD.
- THE M300 IS A MULTIPARAMETER TRANSMITTER. THE CHANNEL SETUP MUST BE SET FOR ANALOG PH/ORP.
- DUAL CHANNEL VERSIONS OF THE M300 WILL UTILIZE BOTH TB3 AND TB4 TERMINAL BLOCKS.

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