

## BARBEN SENSOR: "E" TERMINATION e.g. (B-V-546-X-XX-X-X-X-E-XX)

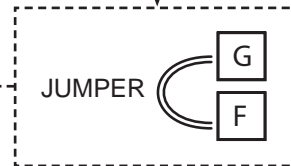
THIS WIRING DIAGRAM COVERS M400/2H, M400/2XH, M400G/2XH, M400 FF, & M400 PA PRODUCTS

### "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.

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

### ANALYZER CONFIGURATION & SETTINGS

#### • WIRING

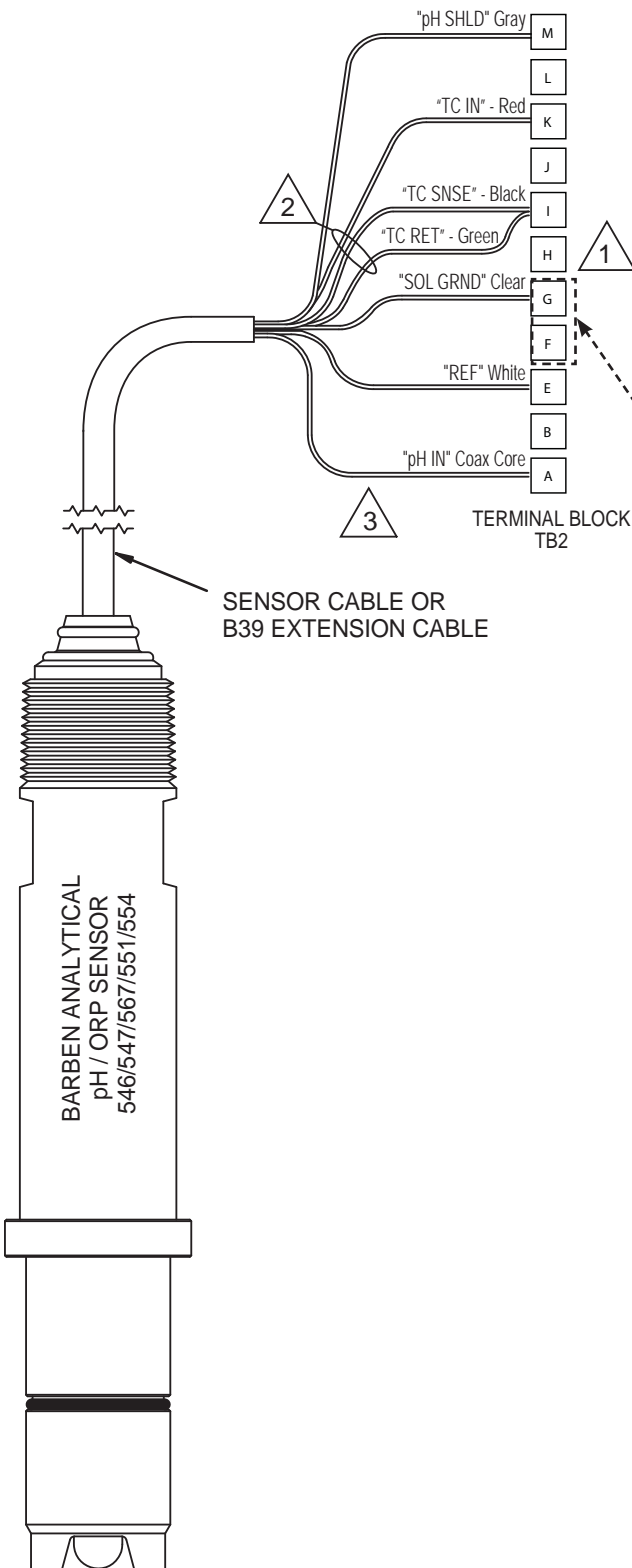
##### Sensor Lead

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

##### Terminal Block TB2

Terminal (A)  
Terminal (E)  
Terminal (G)  
Terminal (I)  
Terminal (I)  
Terminal (K)  
Terminal (M)

- SELECT PT100 OR PT1000 RTD BASED ON SENSOR
- SELECT AUTOMATIC TEMPERATURE COMPENSATION MODE
- NOTE: THE M400 ACCEPTS ONLY 2-WIRE TEMPERATURE INPUTS. USERS CAN WIRE AS SHOWN OR, IF PREFERRED, CUT BACK THE GREEN "TC RET" LEAD.
- THE M400 IS A MULTIPARAMETER TRANSMITTER. THE CHANNEL SETUP MUST BE SET FOR ANALOG PH/ORP.



# Wiring Diagram

## Mettler Toledo (2-wire)

### BARBEN SENSOR: "C" TERMINATION

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

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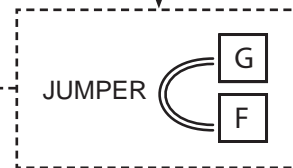
### "IMPORTANT WARNINGS"



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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)

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