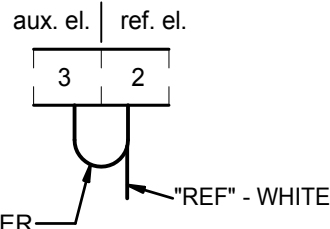


**BARBEN ANALYZER TECHNOLOGY (BAT) pH/ORP SENSOR - WIRED TO HONEYWELL APT4000PH  
BAT SENSOR CONFIGURATION: "E" TERMINATION**

**"IMPORTANT WARNING"**

**1** THE WIRING SHOWS A SENSOR WITH A "SOL GRND" WHICH IS AVAILABLE IN MODELS WITH ( GT, UT & LT ) e.g. ( B-V-546-X-LT-X-X-X-X-X )

FOR SENSORS WITHOUT SOLUTION GROUND ( FT, ST & DT ) YOU MUST INSTALL A JUMPER

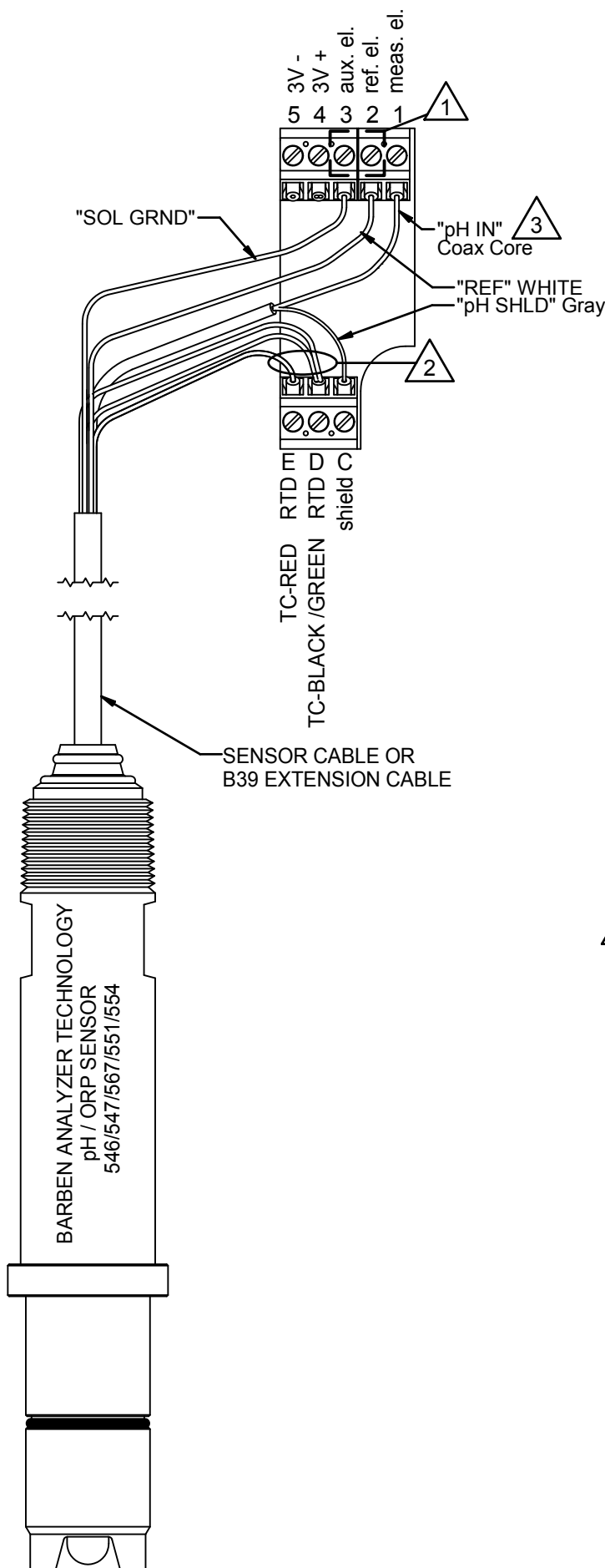


AND SENSOR DIAGNOSTICS MUST BE TURNED OFF.

**2** FOR SENSORS W/O TC, DISREGARD TC WIRES. PROGRAM ANALYZER FOR MANUAL TEMPERATURE COMPENSATION.

NOTE: APT4000PH ACCEPTS 2-WIRE TC's. USERS CAN WIRE AS SHOWN OR IF PREFERRED CUT BACK GREEN "TC RET" LEAD IF SUPPLIED.

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



**ANALYZER CONFIGURATION AND SETTINGS**

• WIRING

Description	Terminal - Label
<b>3</b> "pH IN" - Coax Core Wire	(1) Meas. El.
"REF" - White	(2) Ref. El.
"SOL GRND" - Clear (Drain)	(3) Aux. El.
"pH SHLD" - Coax Shield	(C) Shield
"TC RET" - Green (PT100, PT1000)	(D) RTD
"TC SNSE" - Black	(D) RTD
"TC IN" - Red	(E) RTD

- Select PT100, PT1000 or 8550Ω RTD's
- Select automatic temperature compensation mode.

-	07/15/13	INITIAL	WC	JL
REV	DATE	DESCRIPTION	DWN	APVD

REVISIONS				
BAT pH/ORP SENSOR "E" TERMINATION HONEYWELL APT4000PH				
FOR APT4000PH TO BAT pH SENSORS				
DIMENSIONS IN INCHES		<p align="center"><b>Analyzer Technology, LLC</b> O'BRIEN 5200 Convail Drive Carson City, NV 89706 PH(775)883-2500 FAX (775)297-4740</p>		
TOLERANCES				
.0 ± .015" .00 ± .010" .000 ± .005"				
FRACTIONAL ALL ± .015"		DRAWING NO		
ANGLES ± 1/4°		DRAWN BY W. COWAN		ECO
UNLESS OTHERWISE SPECIFIED		APVD BY J. LANG		1727
DATE 07/15/2013		SCALE 1:1		SIZE A
				SHEET 1 OF 2

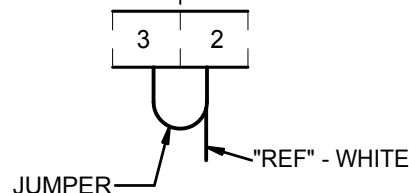
BARBEN ANALYZER TECHNOLOGY (BAT) pH/ORP SENSOR - WIRED TO HONEYWELL APT4000PH  
 BAT SENSOR CONFIGURATION: "C" TERMINATION

**"IMPORTANT WARNING"**

1 THE WIRING SHOWS A SENSOR WITH A "SOL GRND" WHICH IS AVAILABLE IN MODELS WITH ( GT, UT & LT ) e.g. ( B-V-546-X-LT-X-X-X-X-X )

FOR SENSORS WITHOUT SOLUTION GROUND ( FT, ST & DT )  
YOU MUST INSTALL A JUMPER

aux. el. | ref. el.



AND SENSOR DIAGNOSTICS MUST BE TURNED OFF.

2 FOR SENSORS W/O TC, DISREGARD TC WIRES. PROGRAM ANALYZER FOR MANUAL TEMPERATURE COMPENSATION.

NOTE: APT4000PH ACCEPTS 2-WIRE TC's. USERS CAN WIRE AS SHOWN OR IF PREFERRED CUT BACK GREEN "TC RET" LEAD IF SUPPLIED.

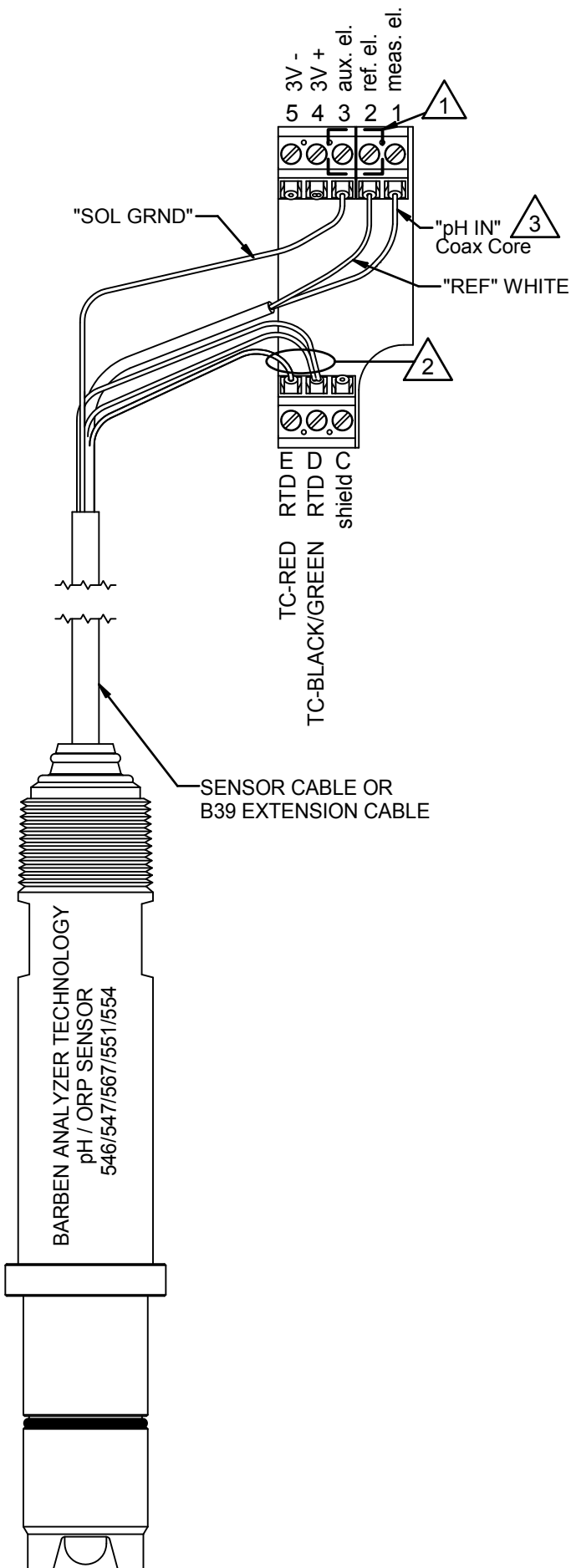
3 FOR ORP SENSORS COAX CORE WILL BE LABELED "ORP IN" AND WIRING IS THE SAME.

**ANALYZER CONFIGURATION AND SETTINGS**

• WIRING

Description	Terminal - Label
3 "pH IN" - Coax Core Wire	(1) Meas. El.
"REF" - White	(2) Ref. El.
"SOL GRND" - Clear (Drain)	(3) Aux. El.
"TC RET" - Green (PT100, PT1000)	(D) RTD
"TC SNSE" - Black	(D) RTD
"TC IN" - Red	(E) RTD

- Select PT100, PT1000 or 8550Ω RTD's
- Select automatic temperature compensation mode.



-	07/15/13	INITIAL	WC	JL
REV	DATE	DESCRIPTION	DWN	APVD

REVISIONS

DIMENSIONS IN INCHES	BAT pH/ORP SENSOR "C" TERMINATION HONEYWELL APT4000PH			
TOLERANCES	FOR APT4000PH TO BAT pH SENSORS			
.0 ± .015"	 <b>BARBEN ANALYZER TECHNOLOGY, LLC</b> O'BRIEN			
.00 ± .010"				
.000 ± .005"				
FRACTIONAL ALL ± .015"	5200 Convair Drive Carson City, NV 89706 PH(775)883-2500 FAX (775)297-4740			
ANGLES ± 1/4°	DRAWN BY	W. COWAN	ECO	DRAWING NO
UNLESS OTHERWISE SPECIFIED	APVD BY	J. LANG	1727	2P0273
	DATE	07/15/2013	SCALE	1:1
			SIZE	A
			SHEET	2 OF 2