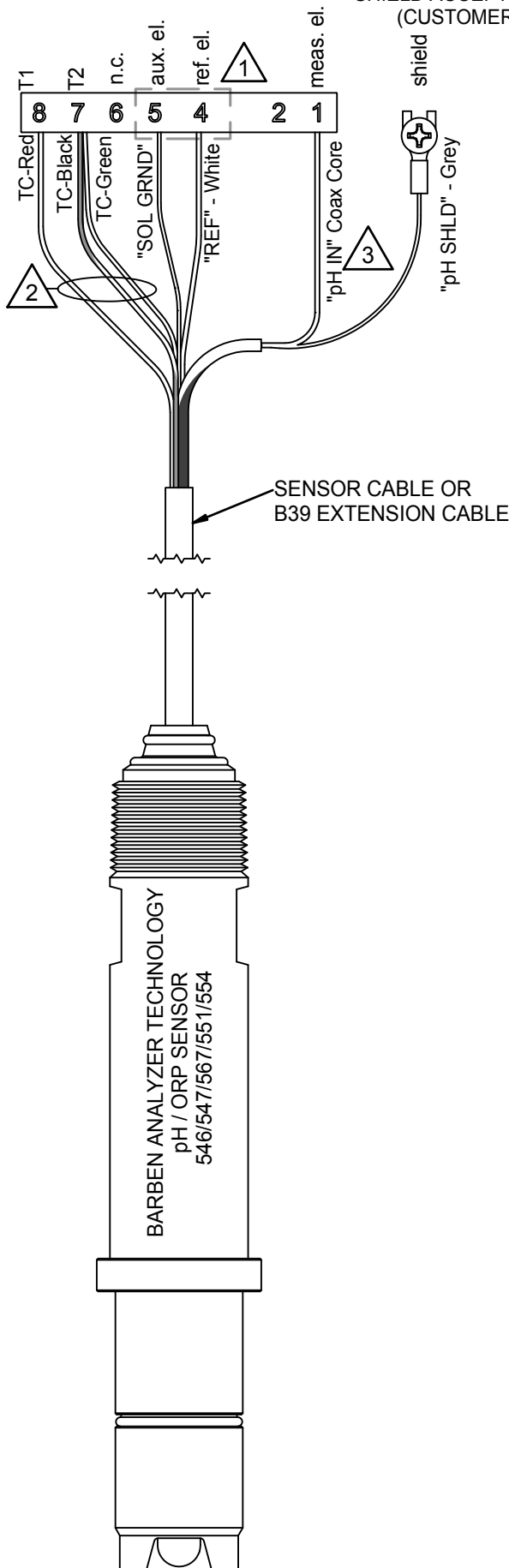


BARBEN ANALYZER TECHNOLOGY (BAT) pH/ORP SENSOR - WIRED TO HONEYWELL APT2000PH

BAT SENSOR CONFIGURATION: "E" TERMINATION

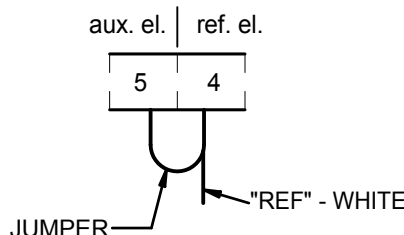
SHIELD ACCEPTS #6 SPADE LUG
(CUSTOMER SUPPLIED)



"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: APT2000PH 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
"pH SHLD" - Coax Shield	To GND Screw
"pH IN" - Coax Core Wire	(1) Meas. El.
"REF" - White	(4) Ref. El.
"SOL GRND" - Clear (Drain)	(5) Aux. El.
"TC RET" - Green (PT100, PT1000)	(7) T2
"TC SNSE" - Black	(7) T2
"TC IN" - Red	(8) T1

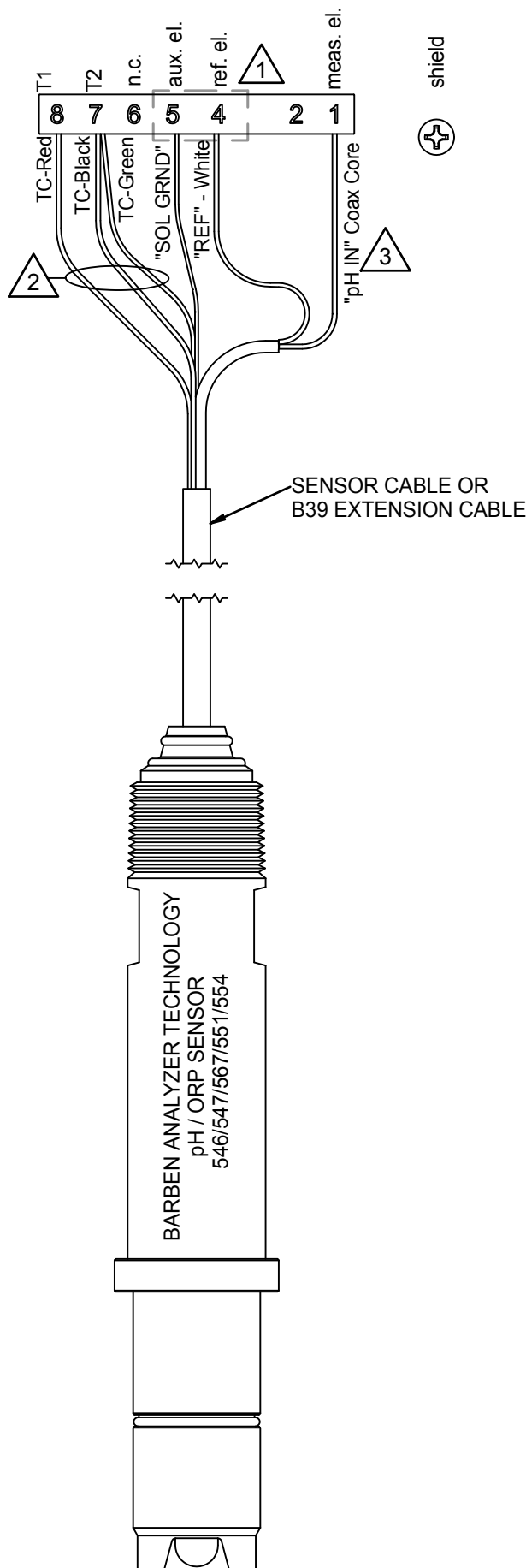
- Select - PT100, PT1000 or 8550Ω RTD's
- Select automatic temperature compensation mode.

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

REVISIONS

DIMENSIONS IN INCHES	BAT pH/ORP SENSOR "E" TERMINATION HONEYWELL APT2000PH			
TOLERANCES	FOR APT2000PH TO BAT pH SENSORS			
.0 ± .015"	 BARBEN AMETEK Analyzer Technology, LLC O'BRIEN 5200 Convair Drive Carson City, NV 89706 PH(775)883-2500 FAX (775)297-4740			
.00 ± .010"				
.000 ± .005"				
FRACTIONAL ALL ± .015"	DRAWN BY	W. COWAN	ECO	DRAWING NO
ANGLES ± 1/4°	APVD BY	J. LANG	1727	2P0272
UNLESS OTHERWISE SPECIFIED	DATE	07/15/2013	SCALE	1:1
			SIZE	A
			SHEET	1 OF 2

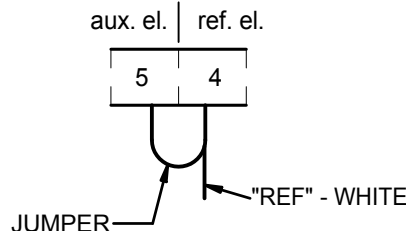
**BARBEN ANALYZER TECHNOLOGY (BAT) pH/ORP SENSOR - WIRED TO HONEYWELL APT2000PH
BAT SENSOR CONFIGURATION: "C" TERMINATION**



"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



AND SENSOR DIAGNOSTICS MUST BE TURNED OFF.

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

NOTE: APT2000PH 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

	<u>Description</u>	<u>Terminal - Label</u>
3	"pH IN" - Coax Core Wire	(1) Meas. El.
	"REF" - White	(4) Ref. El.
	"SOL GRND" - Clear (Drain)	(5) Aux. El.
	"TC RET" - Green (PT100, PT1000)	(7) T2
	"TC SNSE" - Black	(7) T2
	"TC IN" - Red	(8) T1

- 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 APT2000PH			
TOLERANCES	FOR APT2000PH TO BAT pH SENSORS			
.0 ± .015"				
.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	2P0272
	DATE	07/15/2013	SCALE	1:1
			SIZE	A
			SHEET	2 OF 2