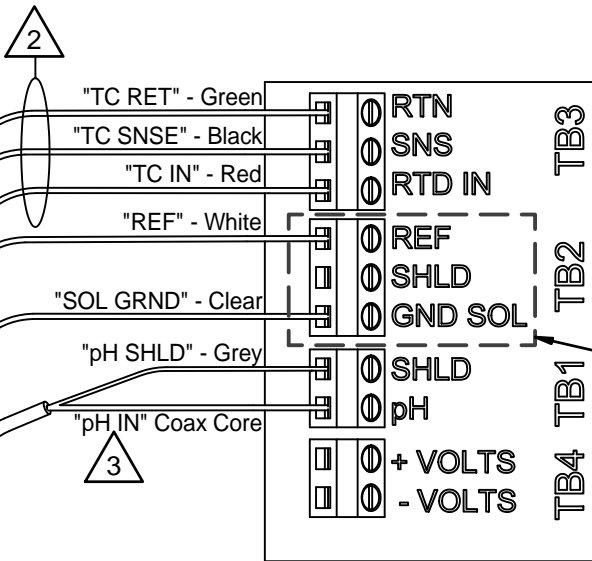


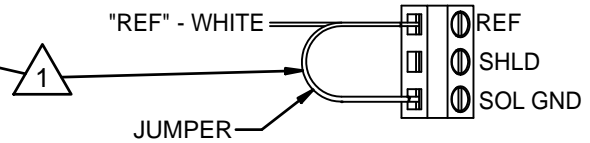
**BARBEN ANALYZER TECHNOLOGY (BAT) pH/ORP SENSOR - WIRED TO ROSEMOUNT 1066**  
**BAT SENSOR CONFIGURATION: "E" TERMINATION**

**"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.

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

SENSOR CABLE OR B39 EXTENSION CABLE

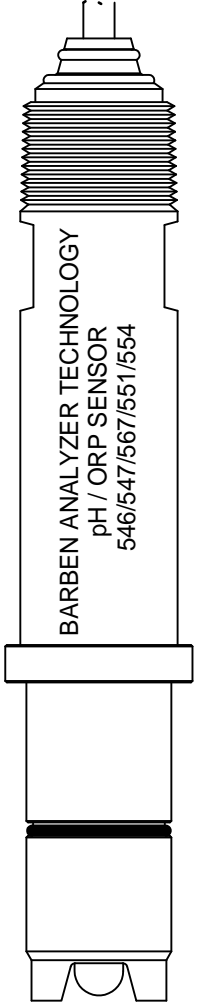
**ANALYZER CONFIGURATION AND SETTINGS**

• WIRING

Description	Terminal - Label
"TC RET" - Green	TB3 - RTN
"TC SNSE" - Black	TB3 - SNS
"TC IN" - Red	TB3 - RTD IN
"REF" - White	TB2 - REF
"SOL GRND" - Clear (Drain)	TB2 - GND SOL
"pH SHLD" - Coax Grey	TB1 - SHLD
"pH IN" - Coax Core Wire	TB1 - pH

**3**

- Analyzer accepts PT100 & PT1000 RTD's
- Select automatic temperature compensation mode.
- Select Integral Pre-Amp XMTR.
- If sensor cable > 30-ft Pre-Amp Required. Consult XMTR Manual.

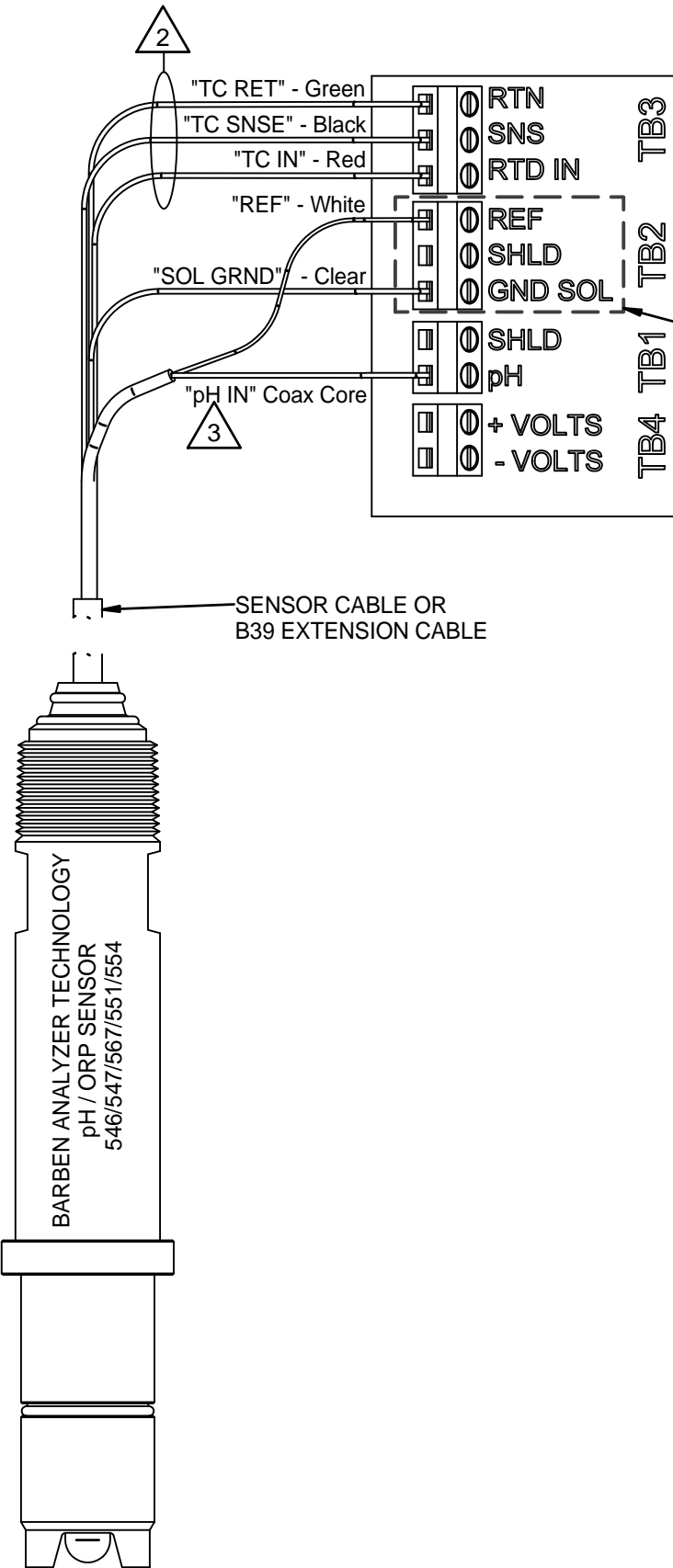


-	08/26/13	INITIAL	WC	JL
REV	DATE	DESCRIPTION	DWN	APVD

REVISIONS				
DIMENSIONS IN INCHES				
TOLERANCES				
.0 ± .015"		FOR		
.00 ± .010"		1066 TO BAT pH SENSORS		
.000 ± .005"				
FRACTIONAL ALL ± .015"		Analyzer Technology, LLC O'BRIEN 5200 Convair Drive Carson City, NV 89706 PH(775)883-2500 FAX (775)297-4740		
ANGLES ± 1/4°		DRAWN BY	W. COWAN	ECO
UNLESS OTHERWISE SPECIFIED		APVD BY	J. LANG	1727
DATE		SCALE	SIZE	SHEET
08/26/2013		1:1	A	1 OF 2
		DRAWING NO	2P0271	

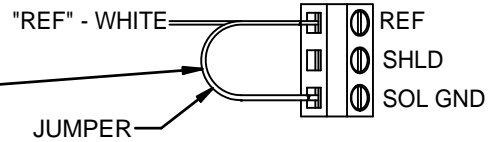
**BARBEN ANALYZER TECHNOLOGY (BAT) pH/ORP SENSOR - WIRED TO ROSEMOUNT 1066**  
**BAT SENSOR CONFIGURATION: "C" TERMINATION**

**"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.

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

**ANALYZER CONFIGURATION AND SETTINGS**

• WIRING

Description	Terminal - Label
"TC RET" - Green	TB3 - RTN
"TC SNSE" - Black	TB3 - SNS
"TC IN" - Red	TB3 - RTD IN
"REF" - White	TB2 - REF
"SOL GRND" - Clear (Drain)	TB2 - GND SOL
"pH IN" - Coax Core Wire	TB1 - pH

- Analyzer accepts PT100 & PT1000 RTD's
- Select automatic temperature compensation mode.
- Select Integral Pre-Amp XMTR.
- If sensor cable > 30-ft Pre-Amp Required. Consult XMTR Manual.

-	08/26/13	INITIAL	WC	JL
REV	DATE	DESCRIPTION	DWN	APVD

REVISIONS

DIMENSIONS IN INCHES	BAT pH/ORP SENSOR "C" TERMINATION ROSEMOUNT 1066			
TOLERANCES	FOR 1066 TO BAT pH SENSORS			
.0 ± .015"	<p align="center"><b>BARBEN AMETEK</b> Analyzer Technology, LLC O'BRIEN 5200 Convair Drive Carson City, NV 89706 PH(775)883-2500 FAX (775)297-4740</p>			
.00 ± .010"				
.000 ± .005"				
FRACTIONAL ALL ± .015"	DRAWN BY	W. COWAN	ECO	DRAWING NO
ANGLES ± 1/4°	APVD BY	J. LANG	1727	2P0271
UNLESS OTHERWISE SPECIFIED	DATE	08/26/2013	SCALE	1:1
			SIZE	A
			SHEET	2 OF 2