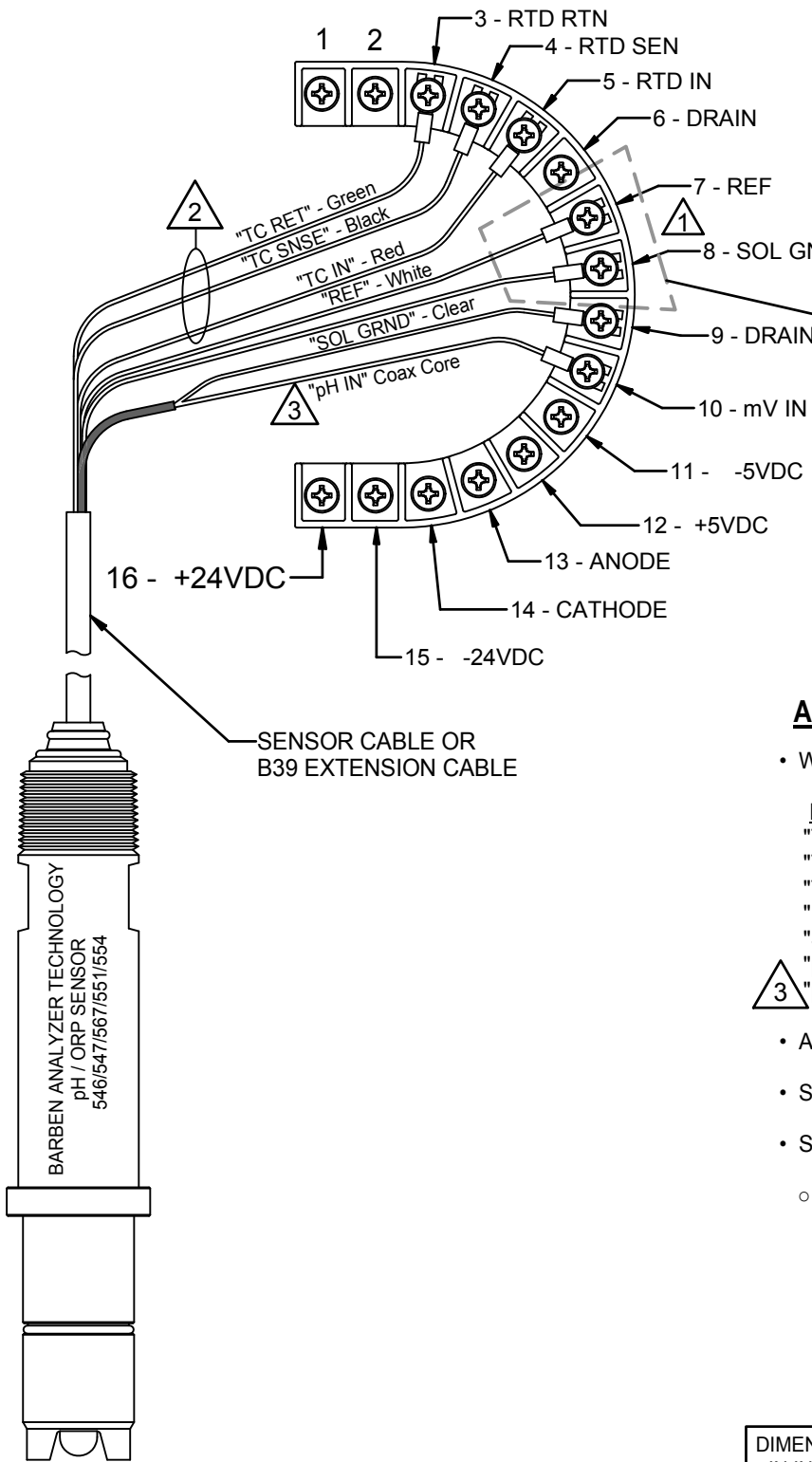


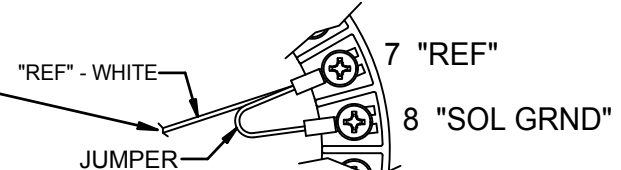
BARBEN ANALYZER TECHNOLOGY (BAT) pH/ORP SENSOR WIRED TO ROSEMOUNT 5081-P BAT SENSOR CONFIGURATION "E" TERMINATION



"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.



ANALYZER CONFIGURATION AND SETTINGS

• WIRING

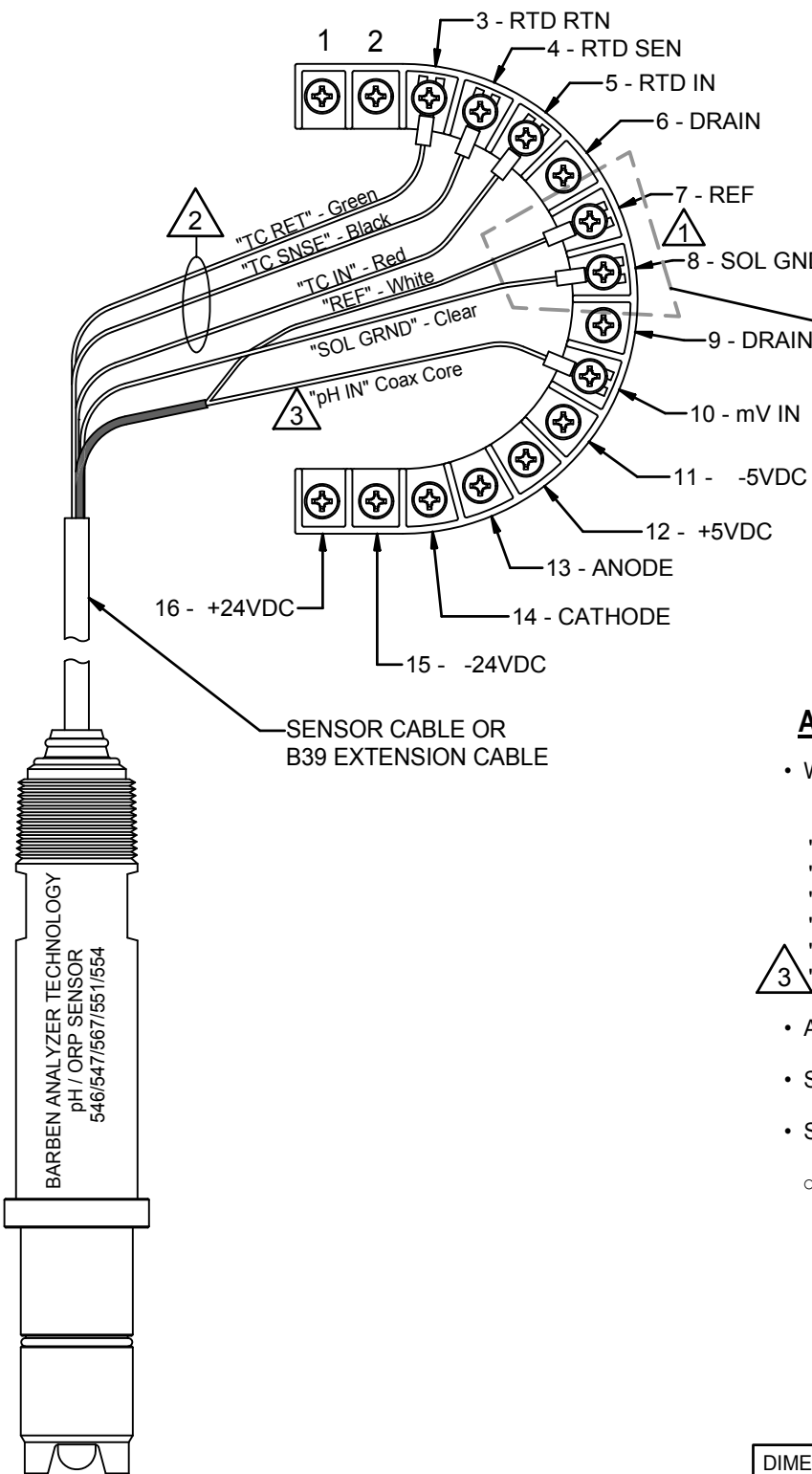
Description	Terminal
"TC RET" - Green	3
"TC SNSE" - Black	4
"TC IN" - Red	5
"REF" - White	7
"SOL GRND" - Clear (Drain)	8
"pH SHLD" - Coax Grey	9
3 "pH IN" - Coax Core Wire	10

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

REV	DATE	DESCRIPTION	WC	JL
-	02/22/13	INITIAL	WC	JL
			DWN	APVD

REVISIONS			
BAT pH/ORP SENSOR "E" TERMINATION ROSEMOUNT 5081-P TRANSMITTER			
DIMENSIONS IN INCHES		FOR 5081-P TO BAT pH/ORP SENSORS	
TOLERANCES		 	
.0 ± .015"		5200 Convair Drive Carson City, NV 89706 PH(775)883-2500 FAX (775)297-4740	
.00 ± .010"		DRAWN BY W. COWAN	
.000 ± .005"		ECO	
FRACTIONAL ALL ± .015"		DRAWING NO	
ANGLES ± 1/4°		NA	
UNLESS OTHERWISE SPECIFIED		2P0263	
DATE 02/22/2013		SCALE 1:1	
		SIZE A	
		SHEET 1 OF 2	

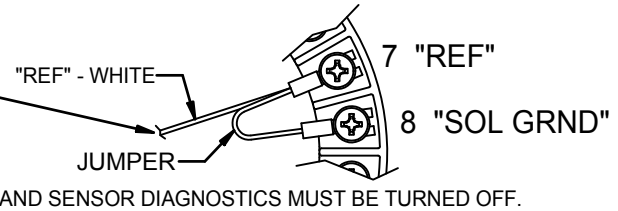
BARBEN ANALYZER TECHNOLOGY (BAT) pH/ORP SENSOR WIRED TO ROSEMOUNT 5081-P BAT SENSOR CONFIGURATION "C" TERMINATION



"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



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
"TC RET" - Green	3
"TC SNSE" - Black	4
"TC IN" - Red	5
"REF" - White	7
"SOL GRND" - Clear (Drain)	8
3 "pH IN" - Coax Core Wire	10

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

-	02/22/13	INITIAL	WC	JL
REV	DATE	DESCRIPTION	DWN	APVD
REVISIONS				

DIMENSIONS IN INCHES	BAT pH/ORP SENSOR "C" TERMINATION ROSEMOUNT 5081-P TRANSMITTER			
TOLERANCES	FOR 5081-P TO BAT pH/ORP 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	NA	2P0263
UNLESS OTHERWISE SPECIFIED	DATE	02/22/2013	SCALE	1:1
			SIZE	A
			SHEET	2 OF 2