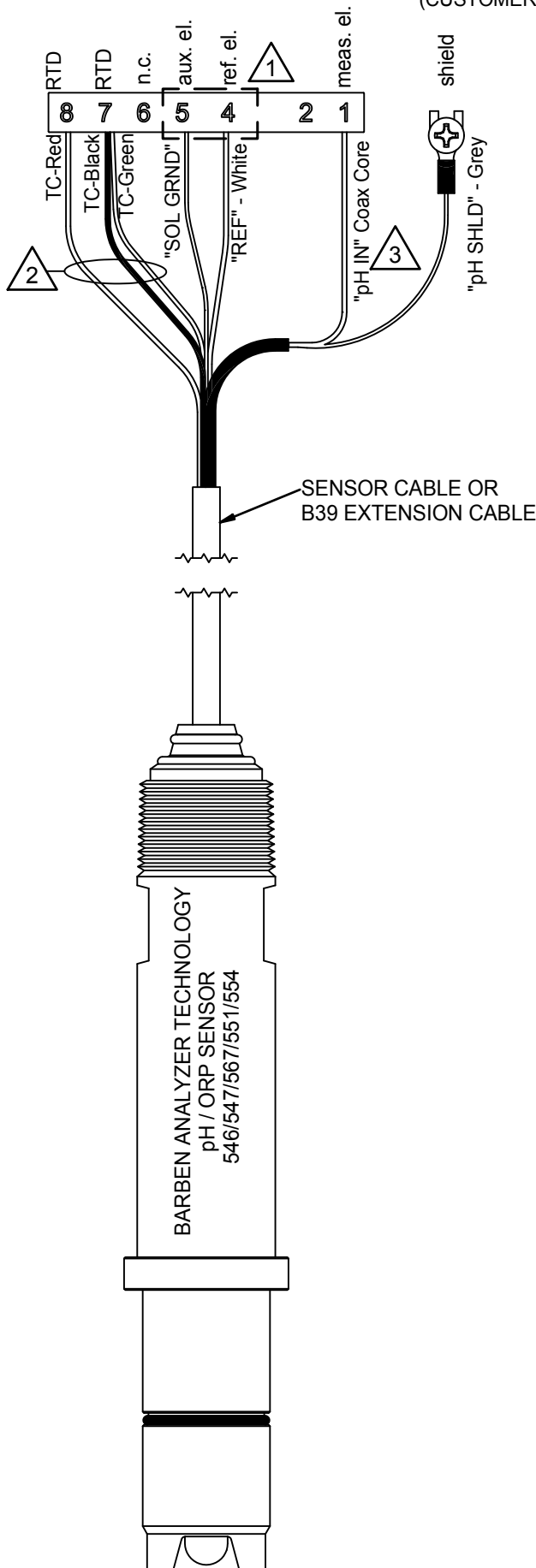


BARBEN ANALYZER TECHNOLOGY (BAT) pH/ORP SENSOR  
 WIRED TO KNICK STRATOS e 2211(x) pH / STRATOS PROFIBUS 2221(x) pH BAT SENSOR CONFIGURATION: "E" TERMINATION

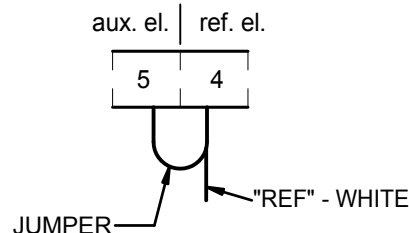
SHIELD ACCEPTS #6 SPADE LUG  
 (CUSTOMER SUPPLIED)



**"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-LI-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: 2211(x)pH/2221(x)pH ACCEPTS 2-WIRE TC's. USERS CAN WIRE AS SHOWN OR IF PREFERRED CUT BACK GREEN "TC RET" LEAD.

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

**ANALYZER CONFIGURATION AND SETTINGS**

• WIRING

Description	Terminal
1 "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	(7) RTD
"TC SNSE" - Black	(7) RTD
"TC IN" - Red	(8) RTD

• Analyzer accepts PT100, PT1000, 3.01kΩ Balco (On 2211(x) pH software, version 4X) & 8550Ω RTD's.

• Select automatic temperature compensation mode.

-	05/06/13	INITIAL	WC	JL
REV	DATE	DESCRIPTION	DWN	APVD

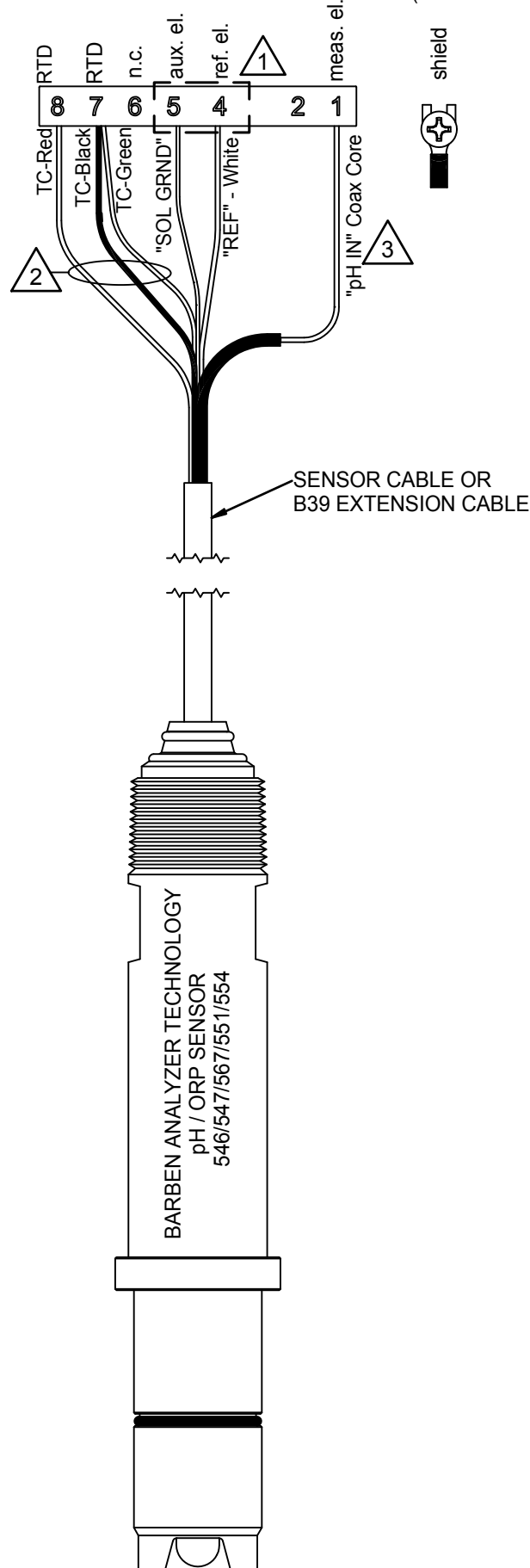
REVISIONS				
BAT pH/ORP SENSOR "E" TERMINATION KNICK STRATOS 2211(x)pH / STRATOS PROFIBUS 2221(x)pH				
FOR 2211(x)pH / 2221(x)pH TO BAT pH SENSORS				
DIMENSIONS IN INCHES		FRACTIONAL ALL ± .015"		
TOLERANCES		.0 ± .015" .00 ± .010" .000 ± .005"		
ANGLES ± 1/4°		UNLESS OTHERWISE SPECIFIED		
DRAWN BY W. COWAN		ECO 1640		DRAWING NO 2P0269
APVD BY J. LANG		DATE 05/06/2013		SCALE 1:1
DATE 05/06/2013		SCALE 1:1		SIZE A
DATE 05/06/2013		SCALE 1:1		SHEET 1 OF 2



BARBEN ANALYZER TECHNOLOGY (BAT) pH/ORP SENSOR  
 WIRED TO KNICK STRATOS e 2211(x) pH / STRATOS PROFIBUS 2221(x) pH BAT SENSOR CONFIGURATION: "C" TERMINATION

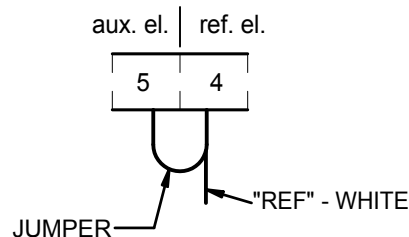
SHIELD ACCEPTS #6 SPADE LUG  
 (CUSTOMER SUPPLIED)

**"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: 2211(x)pH/2221(x)pH ACCEPTS 2-WIRE TC's. USERS CAN WIRE AS SHOWN OR IF PREFERRED CUT BACK GREEN "TC RET" LEAD.

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

**ANALYZER CONFIGURATION AND SETTINGS**

• WIRING

	Description	Terminal
3	"pH IN" - Coax Core Wire	(1) Meas. El.
	"REF" - White	(4) Ref. El.
	"SOL GRND" - Clear (Drain)	(5) Aux. El.
	"TC RET" - Green	(7) RTD
	"TC SNSE" - Black	(7) RTD
	"TC IN" - Red	(8) RTD

• Analyzer accepts PT100, PT1000, 3.01kΩ Balco (On 2211(x) pH, software, version 4X) & 8550Ω RTD's

• Select automatic temperature compensation mode.

-	05/06/13	INITIAL	WC	JL
REV	DATE	DESCRIPTION	DWN	APVD
REVISIONS				

DIMENSIONS IN INCHES	BAT pH/ORP SENSOR "C" TERMINATION			
TOLERANCES	KNICK STRATOS 2211(x)pH / STRATOS PROFIBUS 2221(x)pH			
.0 ± .015"	FOR			
.00 ± .010"	2211(x)pH / 2221(x)pH TO BAT pH SENSORS			
.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	1640	2P0269
	DATE	05/06/2013	SCALE	1:1
			SIZE	A
			SHEET	2 OF 2