

NOTES :

GENERAL

CONNECTING THE PREAMP WITH POWER ON MAY CAUSE ITS OUTPUT TO LOCK UP. ALWAYS TURN POWER OFF BEFORE CONNECTING ANY OF THE LEADS, INCLUDING THE BNC.

THE UNITY GAIN OUTPUT OF THIS PREAMP MAY BE MEASURED ACROSS THE BLACK AND RED LEADS.

WHEN A COMBINATION ELECTRODE IS USED, REFERENCE CONNECTION IS MADE THROUGH THE BNC CONNECTOR. IF A SEPARATE REFERENCE CELL IS USED, CONNECT IT TO THE RED LEAD.

BIAS ADJUSTMENT

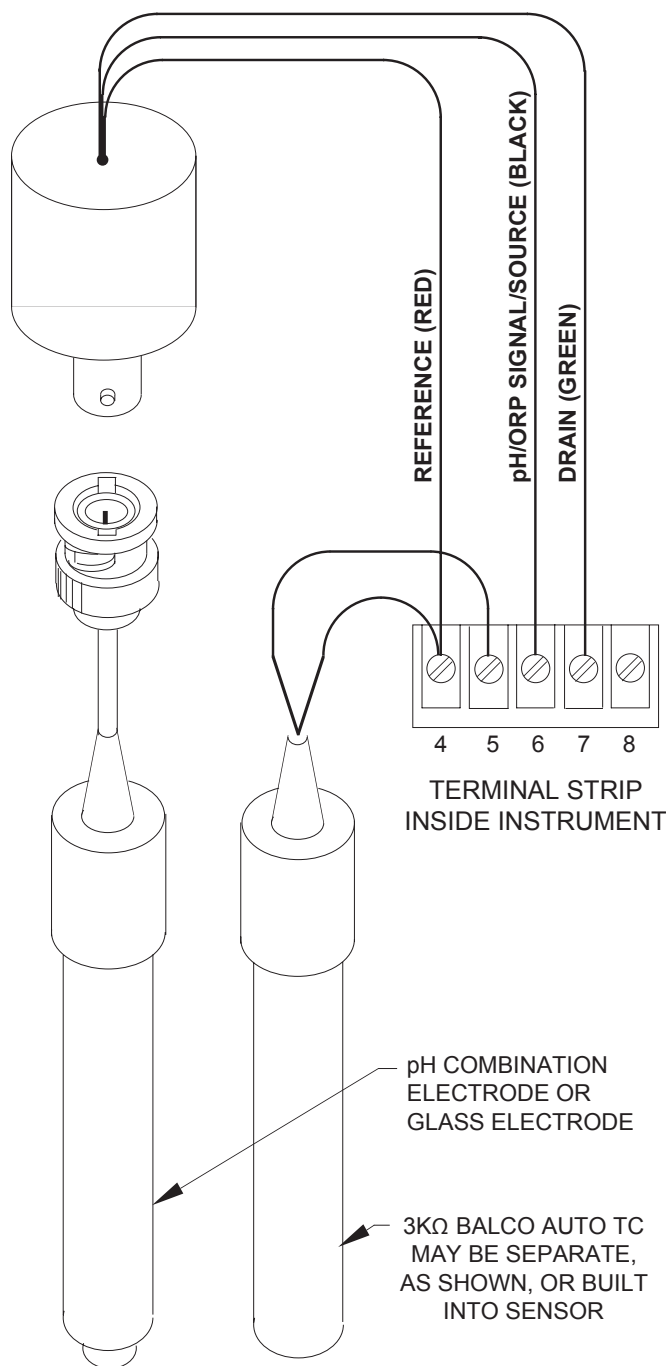
THE PREAMPLIFIER AUTOMATICALLY ADJUSTS FOR PROPER BIAS CURRENT. TURNING THE BIAS POT IN THE INSTRUMENT WILL HAVE NO EFFECT ON THE READING. TURN THE POT ALL THE WAY CLOCKWISE AND LEAVE IT IN THAT POSITION.

TEMPERATURE COMPENSATION

TC IS PERFORMED BY THE INSTRUMENT, USING A $3K\Omega$ AT $25^{\circ}C$ BALCO ELEMENT, WITH A SLOPE OF $+13.5\Omega/^{\circ}C$. THERE IS MANUAL TC CAPABILITY IF NO AUTOMATIC TC ELEMENT IS AVAILABLE.

SHIELDING

TAKE CARE NOT TO ALLOW THE BNC SHIELD (REFERENCE LEAD) TO CONTACT METAL PIPING OR J-BOXES AT ANY POINT, AS THIS WILL SHORT THE REFERENCE CELL TO EARTH GROUND, AND CAUSE UNSTABLE READINGS. SHIELDING OF THE CABLE FROM AMPLIFIER TO INSTRUMENT IS USUALLY NOT REQUIRED. IF A SHIELD IS USED, CONNECT IT TO REFERENCE AT ONE POINT ONLY, AND BE SURE THAT IT DOES NOT TOUCH ANY OF THE OTHER LEADS.



NOTES UNLESS OTHERWISE SPECIFIED:



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DRAWN BOB HUNT	TITLE UVA PREAMPLIFIER WITH UNILOC 1000, 1001 AND 1002		
CHECKED			
APPROVED	SCALE NONE	DRAWING NO.	REV.
	SHEET 1 OF 1	UVA-1000/1/2	