

NOTES :

GENERAL

OUTPUT TO THE INSTRUMENT FROM THE PREAMP IS A GAIN OF 3, INVERTED POLARITY. (GAIN = -3)

WHEN A COMBINATION ELECTRODE IS USED, REFERENCE CONNECTION IS MADE THROUGH THE BNC CONNECTOR. USE OF A SEPARATE REFERENCE REQUIRES A CONNECTION TO TERMINAL 5 ON THE PREAMP.

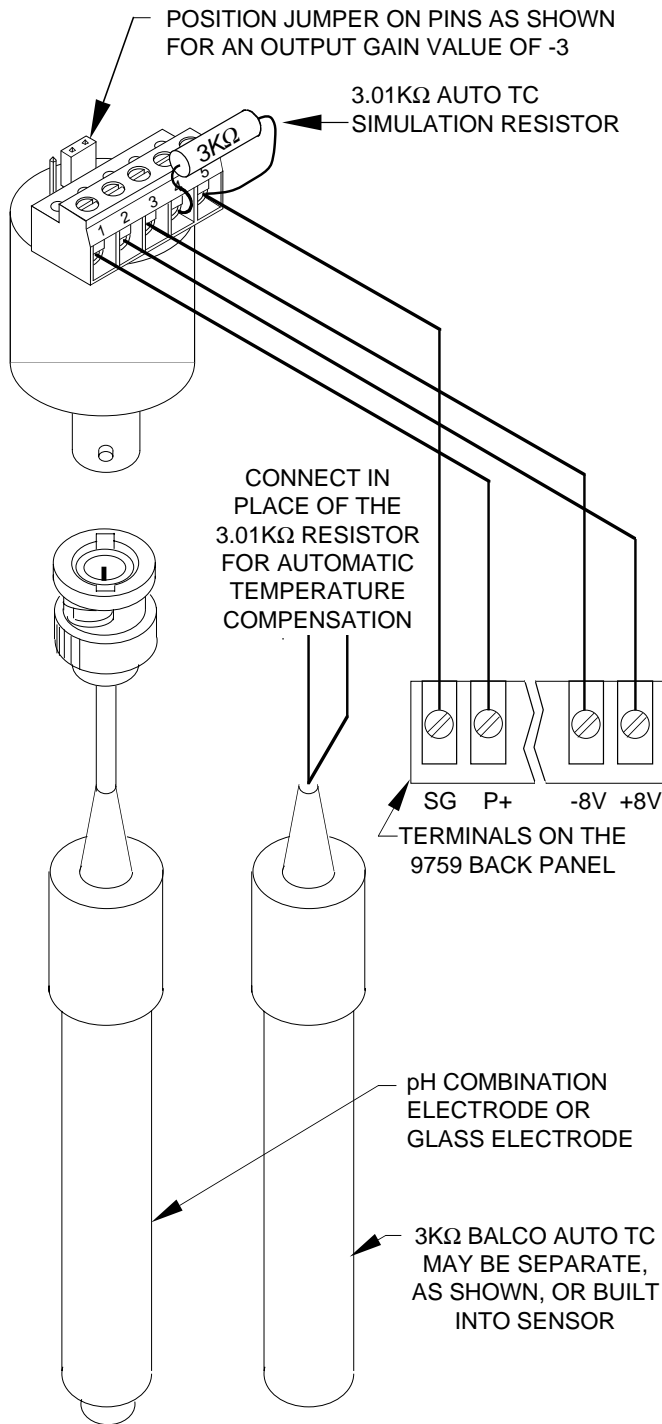
TEMPERATURE COMPENSATION

THE SSA AMPLIFIER PERFORMS AUTOMATIC COMPENSATION USING A $3\text{K}\Omega$ AT 25°C BALCO ELEMENT, WITH A SLOPE OF $+13.5\Omega/^\circ\text{C}$. THE AMPLIFIER SHIPS WITH A $3.01\text{K}\Omega$ RESISTOR BETWEEN TERMINALS 4 AND 5 TO SIMULATE 25°C . IF A 3K BALCO ELEMENT IS USED, THIS RESISTOR MUST BE REMOVED, AND THE BALCO TIED TO TERMINALS 4 AND 5 ON THE AMPLIFIER.


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 SG AND MAKE SURE THAT IT DOES NOT TOUCH ANY OF THE OTHER LEADS, OR EARTH GROUND.

PLEASE READ THE TEMPERATURE COMPENSATION INSTRUCTIONS CAREFULLY (SEE ABOVE)



NOTES UNLESS OTHERWISE SPECIFIED:

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DRAWN	BOB HUNT	TITLE	
CHECKED	7/1/90	SSA WITH SIGNET 9759	
APPROVED		SCALE	NONE
		DRAWING NO.	
		SHEET	1 OF 1
		SSA-9759	REV. B