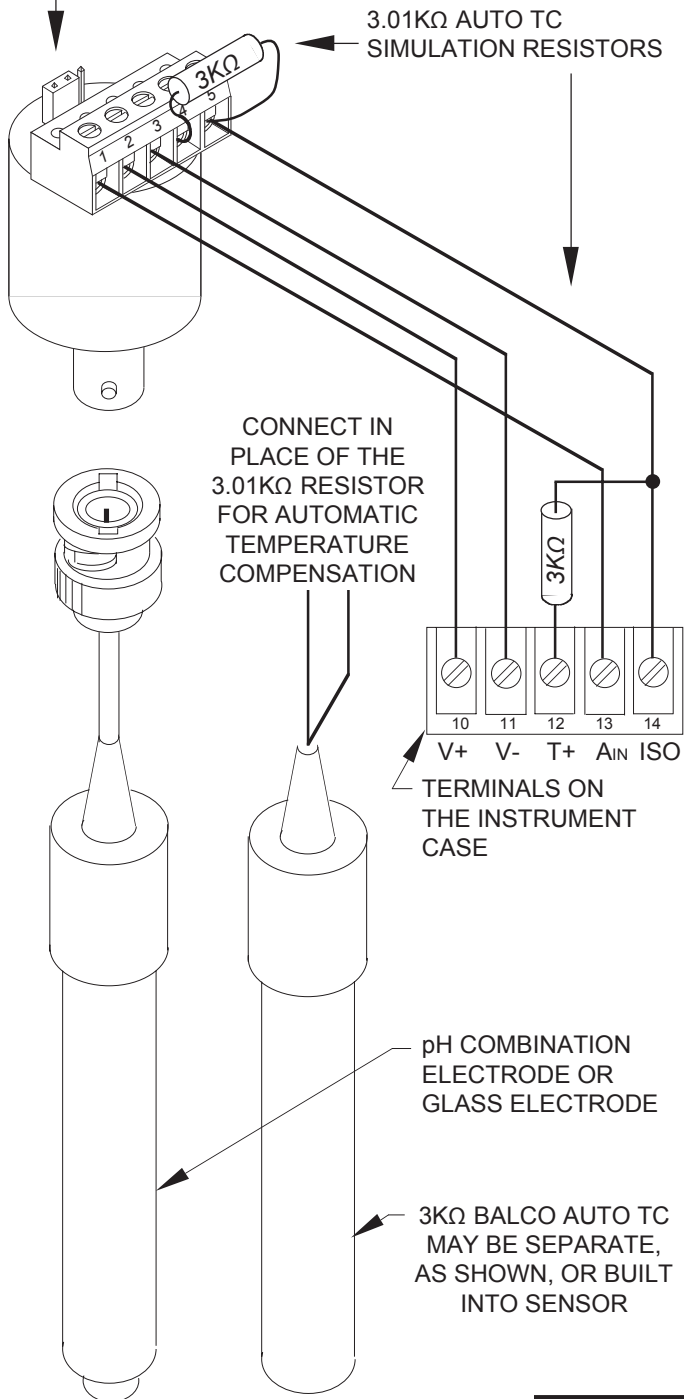


POSITION JUMPER ON PINS AS SHOWN FOR AN OUTPUT GAIN OF +1, AND ACROSS THE OTHER PAIR OF PINS FOR A GAIN OF -3. EITHER GAIN CAN BE SELECTED IN THE INSTRUMENT, AND THERE IS NO ADVANTAGE OF ONE OVER THE OTHER.



NOTES :

GENERAL

OUTPUT TO THE INSTRUMENT FROM THE PREAMP IS A GAIN OF +1 OR -3. MATCH THE GAIN SELECTION AT THE PREAMP TO THE SETTING IN THE INSTRUMENT.

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

STANDARD 9030 TC IS ACCOMPLISHED WITH A 3KΩ AT 25°C BALCO ELEMENT, WITH A SLOPE OF +13.5Ω/°C, ACROSS T+ AND ISO. THE SSA AMPLIFIER CAN ALSO PERFORM AUTOMATIC COMPENSATION USING THE SAME BALCO ELEMENT. IF AUTO TC IS DONE IN THE INSTRUMENT, THE TEMPERATURE CAN BE READ ON THE DISPLAY. IF IT IS DONE IN THE PREAMP, ONE LESS WIRE IS NEEDED GOING BACK TO THE INSTRUMENT. CONNECT A BALCO ELEMENT TO ONE, AND A 3.01KΩ RESISTOR TO THE OTHER. THERE MUST BE 3KΩ RESISTANCE ON BOTH THE PREAMP AND INSTRUMENT.

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

NOTES UNLESS OTHERWISE SPECIFIED:

		11751 Markon Drive	
		Garden Grove, CA. 92841 USA	
DRAWN 5/2/89 rh		TITLE	
CHECKED		SSA WITH SIGNET 9030	
APPROVED	SCALE NONE	DRAWING NO.	REV.
	SHEET 1 OF 1	SSA-9030	-
		phone: 714-895-4344 fax: 714-894-4839	