

NOTES :

GENERAL

OUTPUT TO THE INSTRUMENT FROM THE PREAMP IS A GAIN OF 1.

WHEN A COMBINATION ELECTRODE IS USED, REFERENCE CONNECTION IS MADE THROUGH THE BNC CONNECTOR. USE OF A SEPARATE REFERENCE REQUIRES THAT ITS LEAD BE CONNECTED DIRECTLY TO THE Iso Grd TERMINAL IN THE INSTRUMENT.

TEMPERATURE COMPENSATION

STANDARD AUTO TC IS ACCOMPLISHED WITH A 3K Ω BALCO ELEMENT ACROSS T+ AND T-. DESPITE THE PLUS AND MINUS SIGNS, A BALCO ELEMENT HAS NO POLARITY SO IT DOESN'T MATTER HOW THE TWO LEADS ARE CONNECTED.


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 THE SENSR GND TERMINAL #7, AND MAKE SURE THAT IT DOES NOT TOUCH ANY OF THE OTHER LEADS, OR EARTH GROUND.

* BNC CONNECTORS ARE SILVER COLORED AND MATE WITH A TWIST-LOCK 1/4 TURN.

SMA CONNECTORS ARE GOLD PLATED AND MATE WITH THREADS.

NOTES UNLESS OTHERWISE SPECIFIED:

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DRAWN	6/19/02rh	TITLE	
CHECKED		SSA2 WITH SIGNET 8750-1	
APPROVED		SCALE	DRAWING NO.
		NONE	SSA2-8750-1
		SHEET	REV.
		1 OF 1	A