



NOTES :

GENERAL

OUTPUT TO THE INSTRUMENT FROM THE PREAMP IS UNITY GAIN, INVERTED POLARITY.

WHEN A COMBINATION ELECTRODE IS USED, REFERENCE CONNECTION IS MADE THROUGH THE BNC CONNECTOR.

IF A SEPARATE REFERENCE CELL IS USED, CONNECT IT TO TERMINAL 5 OF THE PREAMP, AND LEAVE THE WIRE IN PLACE FROM 5 TO SC.

TEMPERATURE COMPENSATION

THE V1 AMPLIFIER PERFORMS AUTOMATIC COMPENSATION USING A 3KΩ AT 25°C BALCO ELEMENT, WITH A SLOPE OF +13.5Ω/°C. IF YOU ARE USING A 3KΩ BALCO ELEMENT, THEN THE 3.01KΩ RESISTOR MUST BE REMOVED, AND THE BALCO CONNECTED IN ITS PLACE.

SHIELDING

SHIELDED CABLE FROM PREAMP TO INSTRUMENT IS OPTIONAL. IF A SHIELD IS USED, CONNECT IT EITHER TO EARTH GROUND OR SC AT ONE POINT ONLY. IF CONNECTED TO SC, MAKE SURE THAT THE SHIELD DOES NOT CONTACT METAL PIPING.

DON'T LET ANY OF THE LEADS, OR THE BNC CONNECTOR TOUCH METAL PIPING, CONDUIT, OR OTHER EARTH GROUNDS. THIS WILL CREATE A "GROUND LOOP" AND CAUSE VERY UNSTABLE READINGS.

NOTES UNLESS OTHERWISE SPECIFIED:

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DRAWN	BOB HUNT	TITLE	V1 PREAMPLIFIER WIRING
CHECKED			L&N SERIES 7073
APPROVED		SCALE	NONE
		DRAWING NO.	V1-7073
		SHEET	1 OF 1
		DRAWING NO.	REV.