

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 SOL.GRD.

TEMPERATURE COMPENSATION

NORMAL 873 TC IS ACCOMPLISHED WITH A POSITIVE COEFFICIENT PLATINUM RTD THAT READS 110Ω AT 25°C, CONNECTED AS SHOWN.


THE V2 AMPLIFIER CAN PERFORM AUTOMATIC COMPENSATION USING A 3KΩ AT 25°C BALCO ELEMENT, WITH A SLOPE OF +13.5Ω/°C.

ONLY ONE AUTO TC CAN BE USED AT ONE TIME. REPLACE THE UNUSED ONE WITH A FIXED RESISTOR HAVING THE SAME VALUE AS THE UNUSED ELEMENT AT 25°C.

SHIELDING

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:

 11751 Markon Drive Garden Grove, CA. 92841 USA phone: 714-895-4344 fax: 714-894-4839			
DRAWN BOB HUNT		TITLE V2 PREAMPLIFIER WIRING	
CHECKED		FOXBORO 873	
APPROVED	SCALE NONE	DRAWING NO.	REV.
Rev. A 12/20/91	SHEET 1 OF 1	V2-873	A