

NOTES :

GENERAL

OUTPUT TO THE INSTRUMENT FROM THE PREAMP IS A GAIN OF +6.03, NORMAL 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 THE YELLOW LEAD, AND LEAVE THE CONNECTION TO 2 IN PLACE.


TEMPERATURE COMPENSATION

THE PREAMPLIFIER PERFORMS AUTOMATIC COMPENSATION USING A 3KΩ AT 25°C BALCO ELEMENT, WITH A SLOPE OF +13.5Ω/°C. IF YOU ARE NOT USING A BALCO ELEMENT, THEN A 3.01KΩ RESISTOR MUST BE CONNECTED BETWEEN THE RED AND YELLOW LEADS.

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 **REFERENCE** AT ONE POINT ONLY, AND BE SURE THAT IT DOES NOT TOUCH ANY OF THE OTHER LEADS.

NOTES UNLESS OTHERWISE SPECIFIED:

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DRAWN	BOB HUNT	TITLE	
CHECKED		U2587 PREAMPLIFIER WITH UNILOC 1181	
APPROVED		SCALE	NONE
		DRAWING NO.	REV.
		SHEET	1 OF 1
		U2587-1181	