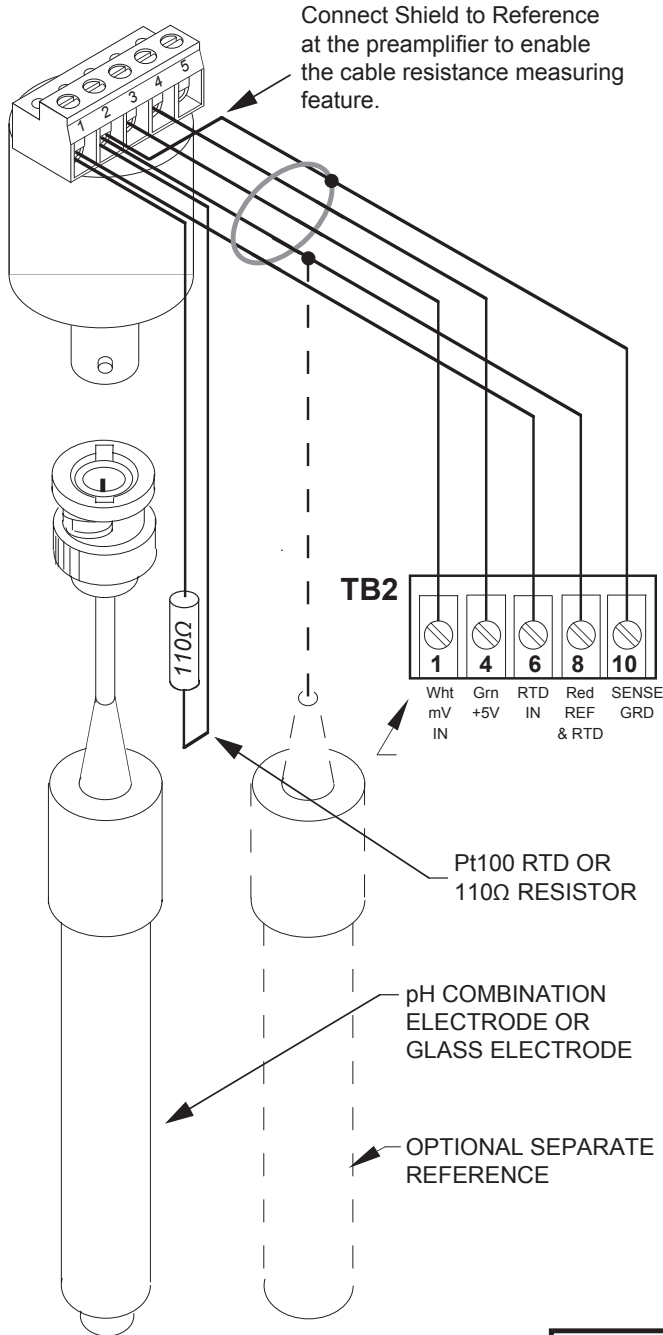


JUMPER JP1 IN THE INSTRUMENT MUST BE ON !

TERMINALS 1 AND 5 ARE TIE POINTS WITH NO CONNECTION TO THE INTERNAL CIRCUITRY OF THE AMPLIFIER.



NOTES :

GENERAL

OUTPUT TO THE INSTRUMENT FROM THE PREAMP IS A GAIN OF 1, 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 RED LEAD, AND LEAVE THE OTHER CONNECTIONS TO 8 IN PLACE.

TEMPERATURE COMPENSATION


THE INSTRUMENT PERFORMS AUTOMATIC COMPENSATION USING A Pt100 ELEMENT. IF YOU ARE NOT USING AUTO TC THEN A 110Ω RESISTOR MUST BE CONNECTED BETWEEN 6 & 8, AND A JUMPER WIRE BETWEEN 8 & 10.

WHEN USING A Pt100 ELEMENT, IT IS BEST TO TIE THE CABLE SHIELD TO 10 AND CONNECT THE OTHER END OF THE SHIELD TO REFERENCE (RED) AT THE SENSOR END TO COMPENSATE FOR CABLE RESISTANCE. DO NOT ALLOW THE SHIELD TO CONTACT METAL CONDUIT OR EARTH GRD.

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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		Garden Grove, CA. 92841 USA	
		phone: 714-895-4344 fax: 714-894-4839	
DRAWN	BOB HUNT	TITLE	
CHECKED		U698-03 PREAMPLIFIER WITH UNILOC/ROSEMOUNT 2081	
APPROVED		SCALE	DRAWING NO.
		NONE	
		SHEET	REV.
		1 OF 1	U698-03-2081