



**NOTES :**

**GENERAL**

OUTPUT TO THE INSTRUMENT FROM THE PREAMP IS UNITY GAIN, NORMAL POLARITY. SOLU COMP™ POWER SUPPLY IS +12V (IT IS MARKED "+6 VOLTS").

WHEN A COMBINATION ELECTRODE IS USED, REFERENCE CONNECTION IS MADE THROUGH THE BNC CONNECTOR. USE OF A SEPARATE REFERENCE REQUIRES A CONNECTION TO TERMINAL 2, AS SHOWN IN DRAWING AT LEFT.

**TEMPERATURE COMPENSATION**

STANDARD TC IS ACCOMPLISHED WITH A POSITIVE COEFFICIENT PLATINUM RTD THAT READS 110Ω AT 25°C.

**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 REQUIRED. CONNECT IT TO REFERENCE AT THE SENSOR END ONLY, AND MAKE SURE THAT IT DOES NOT TOUCH ANY OF THE OTHER LEADS.

**POWER**

+3V TO +30V DC.

CURRENT DEMAND W/O LOAD < 1mA

CURRENT DRIVE: 0.5mA SINK; 1mA SOURCE.

THIS AMPLIFIER CAN BE USED WITH ANY METER THAT REQUIRES A UNITY GAIN, NORMAL POLARITY INPUT, AND HAS A SINGLE POSITIVE SUPPLY OF +3V TO +30V AVAILABLE.

\* RIGHT HAND SIDE WHEN FACING INSTRUMENT

Amplifiers shipped prior to November, 1990 may show an offset in pH when connected to the Solu-Comp. These can be returned to the factory for a no charge exchange, or field remedied by connecting a 10µF/35V capacitor between terminals 2 and 4 of the amp, with the positive lead on terminal 4.

**NOTES UNLESS OTHERWISE SPECIFIED:**

		11751 Markon Drive	
		Garden Grove, CA. 92841 USA	
		phone: 714-895-4344 fax: 714-894-4839	
DRAWN	TITLE	<b>MODEL U698-03 WITH BECKMAN SOLU COMP™</b>	
CHECKED			
APPROVED	SCALE	<b>NONE</b>	DRAWING NO.
	SHEET	<b>1 OF 1</b>	<b>U698-03-SC</b>
			REV. <b>F</b>