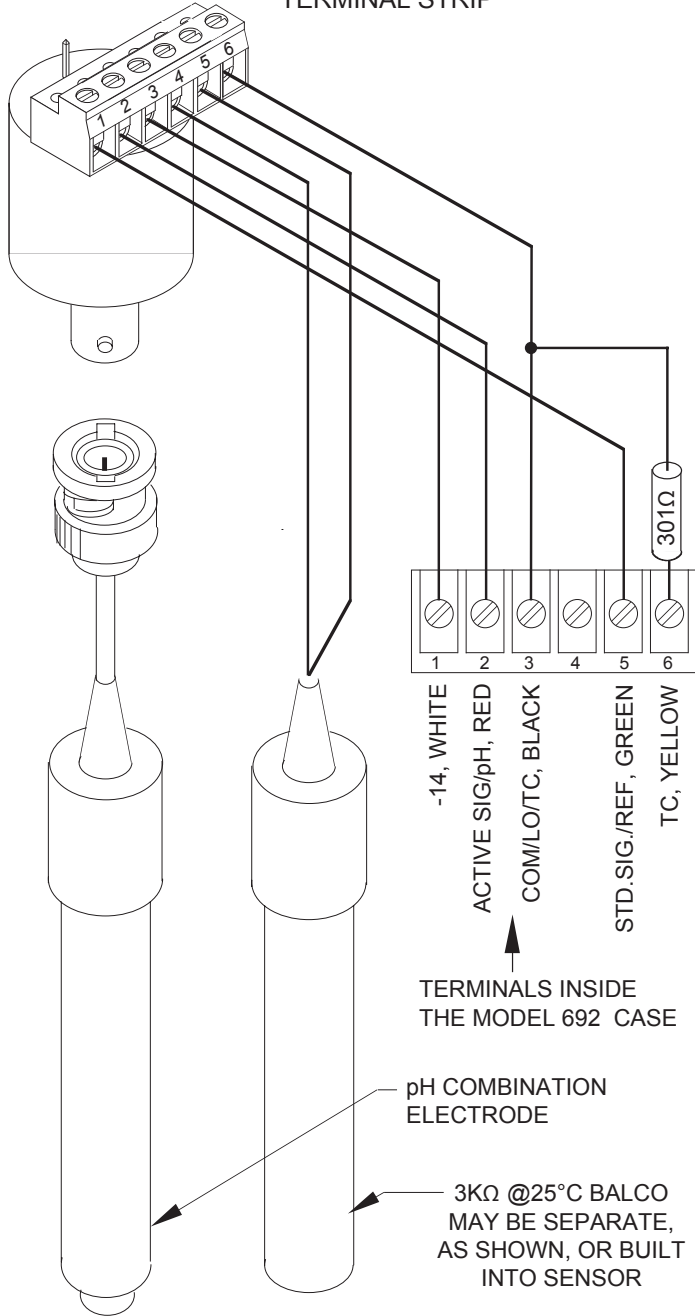


RED WIRE FROM
PREAMP BODY IS
ATTACHED TO 6
ON THE PREAMP
TERMINAL STRIP



NOTES :

GENERAL

OUTPUT TO THE INSTRUMENT FROM THE PREAMP IS UNITY GAIN.

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


TEMPERATURE COMPENSATION

CONNECT A $3K\Omega$ @ $25^{\circ}C$ BALCO TC ELEMENT TO TERMINALS 4 AND 5 OF THE PREAMP, AS SHOWN. THEN PUT A 301Ω RESISTOR ACROSS 4 AND 6 (BLACK AND YELLOW) IN THE INSTRUMENT, AND SELECT **THERM** WITH THE INTERNAL TC SWITCH. OR, SELECT **RTD** AND CONNECT A 1000Ω RESISTOR BETWEEN 3 AND 6.

EARTH GROUNDING WARNING

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 OR OFF-SCALE READINGS. TO CHECK FOR A GROUND LOOP, DISCONNECT THE BNC AND PUT AN OHM METER BETWEEN TERMINAL 6 OF THE PREAMP AND A GOOD EARTH GROUND. YOU SHOULD READ INFINITY. ANY OHMS READING AT ALL INDICATES A SHORT FROM REFERENCE CELL TO GROUND WHICH MUST BE FOUND AND ELIMINATED.

NOTES UNLESS OTHERWISE SPECIFIED:

		11751 Markon Drive	
		Garden Grove, CA. 92841 USA	
DRAWN BOB HUNT		TITLE GL90B PREAMPLIFIER WIRING	
CHECKED 1/10/02		GREAT LAKES MODEL 692	
APPROVED	SCALE NONE	DRAWING NO. GL90B-692	REV.
	SHEET 1 OF 1		

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