

Calibration; Conductivity Transmitter CDT228

1. Refer to the full scale of the conductivity being measured, make an appropriate selection. See the table below for details.

Full scale of the conductivity being measured	Position of L1 C143 Board			R stand (R15) on C143 Board
	1	2	3	
10ms/cm			X	15k (Default)
5ms/cm		X		2k7
2ms/cm		X		7k5
1ms/cm		X		15k (Default)
0.5ms/cm		X		33k
0.2ms/cm		X		130k
0.1ms/cm	X			15k (Default)

X = LINK CLOSED

- * 2. Turn on power supply, make the output 4mA by adjusting the BAL pot in 200-C134 board.
3. Add $R = \frac{k}{\text{Full scale of the conductivity being measured}}$ across terminals 7 & 8.
Note: k = probe k factor or cell constant.
4. Adjust the front "SPAN" pot to make output 20mA.
5. If the conductivity being measured is not the same as listed in the table above, then-
 - a. Find a close range in the table above, Calibrate it, follow steps 1 to 4.
 - b. Adjust the pot in 200-C143 board (little card) to make output 20mA.

*** For workshop Cal.**

1. Make TP7 $0 \pm 2\text{mV}$ by adjusting the BAL pot in C134 board.
2. Adjust front "ZERO" pot for 4mA.
3. Before doing step 4, make C143 output 0.92V by adjusting the pot in it.

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