

## D620 Adjustment Instruction

**CAUTION: Performing this adjustment procedure could result in inaccurate measurements from the D620. A highly accurate voltage standard normally found in a certified calibration lab must be used!**

**Before you start adjustment, set the rotary switch to “OFF”.**

- ( 1 ) Press the soft buttons “**F4/LIGHT**” & “**DATA LOG**” at the same time, set the switch to “**mV**” position.
- ( 2 ) Input “0V” signal ( **Short the “COM” terminal to “V” input terminal** ) ,  
  
Press “**F3/DISP**” button to save “zero point” , the display shows the “zero point” status.  
  
( this step can be repeated several times if necessary ) .
- ( 3 ) Next for input “DC90mV” signal and note the meter reads “ref=90mV” , press  
  
“**F4/LIGHT**” button to save the reference value , the display shows the reference  
  
value ( this step can be repeated several times if necessary to obtain better  
  
accuracy ) .
- ( 4 ) The above steps should be repeated for all other ranges (i.e. After finishing “mV”  
  
calibration, change the switch to “**V**” setting , and repeat the procedure .Save “zero  
  
point” for every range of “DCV” using the method from step( 2 ) (To change the  
  
Range: Press ” **F1/UP**” button to change “auto range mode” to “manual range  
mod”. Pressing ”**F1/UP**” will change the range to the next higher range;  
Pressing ”**F2/DN**” will change the range to the next lower range).
- ( 5 ) According to the instruction from step (3) ” Ref “, apply the relevant values for  
  
every range and press the “**F4/LIGHT**” button to save the value for every range.
- ( 6 ) After finishing “DCV” calibration , press “**FUNC**” button to change to “ACV”  
  
Save the value according the above method.(NOTE : for DC, ACV,  
TEMPERATURE you need to save the value for “zero point”, others ranges you do  
not need to save “zero point”).
- ( 7 ) Using the above method from step (3) save “fixed value” for Resistance, Diode  
Test, Continuity, Capacitance, Temperature, DC and mV. For Frequency .

Period and Duty Cycle you do NOT need to save signal value.)

- ( 8 ) After all the signals have been saved, immediately turn off the power to exit adjustment condition.
- ( 9 ) Turn ON the unit and verify the measurements. If there are some ranges that you are not satisfied with, you can adjust again.