

ALTEK MODEL 135 CALIBRATION PROCEDURE

SUGGESTED EQUIPMENT:

4½ Digit Voltmeter (±0.05% or better).

TABLE 1 ADJUSTMENT POINTS

MODEL	FULL SCALE ADJUST	LOW ADJUST (1%)	±0.1% FS
135-0.1	100 mV	1 mV	±0.1 mV
135-1	1V	0.01V	±0.001V
135-10	10V	0.1V	±0.01V

SOURCE:

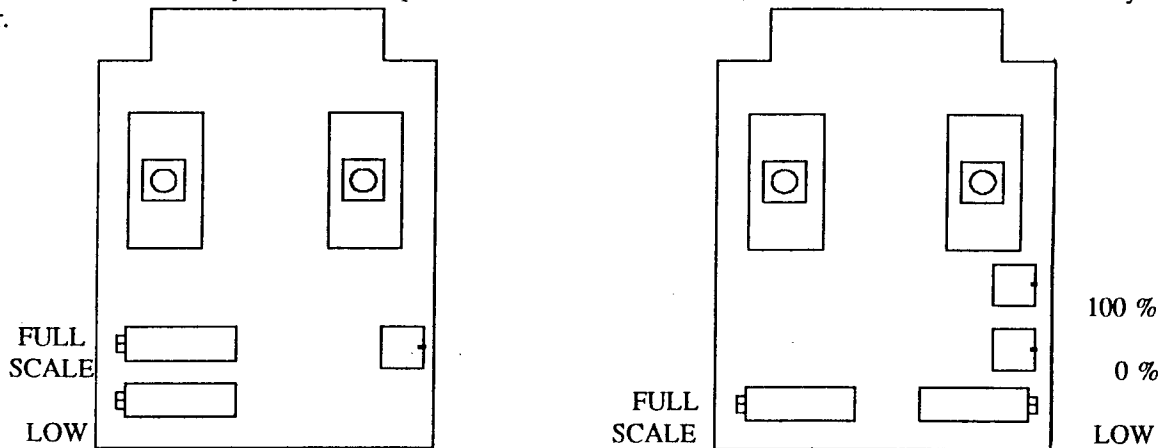
Before any adjustments to the Model 135 are made, fresh batteries (Alkaline, Duracell MN1604 are recommended) should be placed in the unit. Set the left hand switch to "BATT" while observing the lamp; The lamp should glow, indicating proper battery voltage. If the lamp does not glow, check each battery for proper voltage and correct connection. Set the meter to a range which covers the ADJUSTMENT POINTS listed in TABLE 1 with sufficient resolution. Connect the meter to the Model 135 output leads.

ADJUSTMENTS:

Set the left hand switch to "ON" and the right hand switch to "DIAL". Rotate the Knob fully clockwise until 000 is reached. Adjust the FULL SCALE pot (see Diagram 1) so that the meter reads the FULL SCALE value within the ACCURACY listed in TABLE 1. Rotate the knob counterclockwise until it reads 010. Adjust the LOW ADJUSTMENT pot so that the meter reads the LOW ADJUSTMENT point within the ACCURACY listed in TABLE 1. Move the right hand switch to "100%" and adjust the 100% pot to output FULL SCALE. Move the right hand switch to "00.0%" and adjust the 00.0% pot to 0.000 Volts within ±0.1% (Revision A only). Check and readjust pots as necessary to obtain desired accuracy. Additional points can be checked to ±0.1% to insure linearity across the entire range. The optional AC ADAPTOR may now be connected and the calibration again checked to insure proper operation of the unit.

If component replacement is required, save and replace the insulating material on the underside of the printed circuit board.

If the unit fails to meet any of its stated specifications after recalibration, it should be returned to the factory for repair.



REVISION B

REVISION A