	ALTEK MODEL 40A FIELD CALIBRATION PROCEDURE	DOCUMENT NO. 1-092	REV. A
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Rev	Date	Appd	DCN								
A	21SEP00	PMT	10440								

SUGGESTED EQUIPMENT: 7 Digit frequency counter accurate to +/- 5ppm. Oscilloscope with 5 Mhz bandwidth.

NOTE: For greatest accuracy the unit should be checked at 25 degrees c + or – 5 degrees C (77 degrees F, + or –9 degrees F).

Before unit is checked for proper operation, fresh 9 volt batteries (alkaline, DURACELL MN1604B are recommended) should be placed in unit. Turn unit on and observe LED. LED will flash at same rate as Model 40A pulse output (this flashing is noticeable only at the lower frequencies).

Connect the MODEL 40A to frequency counter and set output to 60 KHz. Turn unit on. Counter should read 60.0000 KHz +/- 0.0005 (8 ppm or 0.0008%). Now check all the other frequencies to insure proper operation.

Connect the MODEL 40A to the oscilloscope and set output to 60 KHz.

With the attenuator set at MAX the pulses will be square waves * with an amplitude of 15 volts +/- 20% peak to peak. The power ON switch is used to select either ZERO BASED or ZERO BASED CROSSING waves.

***20 KHz=1:3 ratio**
***12 KHz=2:5 Ratio**

Any MODEL 40A that fails to meet its specifications, should be returned to the factory for repair.