



**Don Bosco**

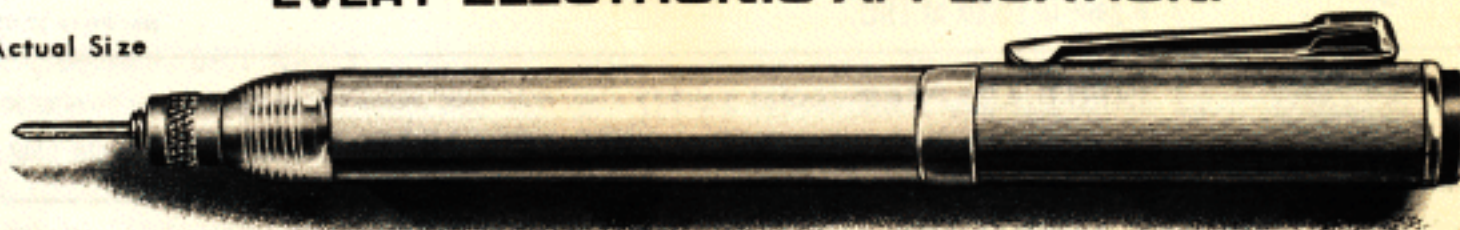
**ELECTRONICS INC.**

Littell Road • Hanover, N. J. • TUCKER 7-5575

## THE NEW "MOSQUITO"

**A SIGNAL SOURCE FOR  
EVERY ELECTRONIC APPLICATION.**

Actual Size



### **... pocket size instrument finds defective circuits—IMMEDIATELY!**

Now, for every technician or engineer who must find defective circuits quickly and exactly, Don Bosco Electronics offers the **new MOSQUITO** with detachable probe—pocket size, cordless, pen-type instrument which generates and injects a rich signal covering the audio, IF and RF spectrum!

The Mosquito contains a transistor oscillator, powered by a single 1.5 volt pen light cell, which completely eliminates the need for a large, expensive signal generator. It can be coupled into magnetic pickups and circuits **without leads**. And the MOSQUITO oscillates at approximately 1,000 cycles per second, with a wave form which is rich in harmonics. This is truly the simplest, fastest, **most effective**, most economical way to find defective circuits—it belongs in your pocket now!

#### **Some typical applications for the new MOSQUITO Transistorized Signal Injector**

• Radio—AF, IF and RF section of vacuum tube, transistor and auto radios • Television—AF, RF section • Tape Recorders • Movie Projectors (sound) • Telephone Circuits • Sound Systems • Hearing Aids • Amplifiers • Transformers • Reproducers—speakers and earphones • Resistors and Capacitors—continuity check • Oscilloscope Voltage Calibrator • Sound Pickup Cartridges—microphone phonograph pickup (Piezoelectric crystal, ceramic and magnetic types\*)

### **SPECIFICATIONS**

**FREQUENCY:** 1KC approximately with harmonics to 30MC

**OUTPUT VOLTAGE:** 50 volts peak-to-peak approximately open circuit

**OUTPUT IMPEDANCE:** 10K ohm capacitive

**INPUT DC VOLTAGE:** 600 volts max. from output tip to case ground

**SUPPLY VOLTAGE:** Use only one 1.5V conventional

battery (Eveready #912 or any A. A. A. size equivalent)

**BATTERY LIFE:** 2000 hours normal use

**SIZE:** 5 $\frac{5}{8}$ " long x  $\frac{1}{2}$ " O. D.

**WEIGHT:** One ounce!

**OUTPUT WAVE FORM:** See oscilloscope picture at various load conditions.

### **FEATURES**

- Detachable attenuator probe head
- All solid state components
- Economical to operate—use only **one** 1.5V battery
- Wide Frequency Range: 1KC to 1F RF in harmonics

- Light Weight: **ONLY ONE OUNCE**
- Inductively Sensitive: Couple to inductive circuits without leads
- Guaranteed Workmanship
- True Vest Pocket Size: Only 5 $\frac{5}{8}$ " long x  $\frac{1}{2}$ " O.D.

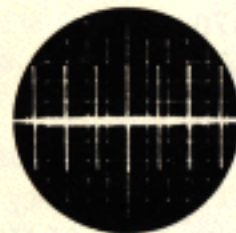
#### **Typical Output Wave Forms of the New "MOSQUITO" with 600 Ohms Load and No Load**



**VOLTAGE:** 10 volts/CM  
**TIME:** 1 msec./CM  
— NO LOAD —



**VOLTAGE:** 10 volts/CM  
**TIME:** 50  $\mu$ sec./CM  
— NO LOAD —



**VOLTAGE:** 0.5 V./CM  
**TIME:** 1 msec./CM  
**LOAD:** 600 ohms



**VOLTAGE:** 0.5 V./CM  
**TIME:** 50  $\mu$ sec./CM  
**LOAD:** 600 ohms

Net Price \$9.95