2. Specifications

The following specifications assume a 1-year calibration cycle and an operating temperature of 10°C to 30°C (50°F to 86°F) at relative humidity up to 80% unless otherwise noted.

2.1 General
Frequency Range: x 1 range 20Hz to 1.5kHz
                         x10 range 2kHz to 150kHz
with 23 step of selected frequency both.
Accuracy: 20Hz to 100kHz ±3% or less
                  100kHz to 150kHz ±5% or less
Output Control: 0dB, -20dB, and fine adjuster.
Output Impedance: 600Ω ±10%

2.2 Sine Wave Characteristics
Output Voltage: 1.2V rms maximum (no load).
Output Flatness: 20Hz to 150kHz ± 0.5dB (reference frequency 1kHz).
Distortion: 200Hz to 15kHz 0.05% (THD) or less.
           50Hz to 30kHz 0.1% (THD) or less.
           20Hz to 100kHz 0.3% (THD) or less.

2.3 Square Wave Characteristics
Output Voltage: 8Vp-p maximum (when on load).
Rise & Fall Time: less than 0.5μs.
Sag: less than 5% at 20Hz.
Over Shoot: less than 2% at maximum output.
Duty Ratio: 50% ±5%

2.4 Synchronization Characteristics
Output Voltage: 1.2V rms (When no load).
Output Impedance: 1kΩ ±5%
About other specifications which same of sine wave.

2.5 General Information
Operating Temperature: 0°C to +50°C; specification apply from
10°C to 30°C.
Storage Temperature: −20°C to +60°C, battery removed.
Power Requirements: 9V battery, NEDA 1604.
Battery Life: Up to 50 hours typical with Alkaline. Up to 30
hours typical with Zinc carbon.
Battery Indicator: LED lamp indicates when approximately 20%
of battery life remains.
Dimensions: 15cm L x 8.2cm W x 2.1cm H, (6"L x 3.2"W x
0.9" H) approx.
Weight: 7 ounces (200 grams) including battery.

2.6 Accessories
User’s manual
Test leads
9V battery — Zinc-carbon battery
3. Operation And Recalibration

1. **LO BAT:** LED lamp lights indicator low battery.
2. **FREQ. RANGE:** A slide switch used to set the range multiplier for dial markings.
3. **FREQUENCY:** A rotary switch set the desired frequency with in the range of the FREQ. RANGE slide switch.
4. **WAVEFORM:** A slide switch used to select the type of output signals, sine wave and square wave.
5. **BATTERY COVER:** Cover for the 9V battery. The cover is removed by pushing it away from the case screw.
6. **ATTEN:** A slide switch used to set the output in 20dB steps.
7. **OUT:** Output terminals; black at down is the low potential side of the output; red is the high potential side of the output.
8. **SYNC:** Synchronization output terminals; control of external equipment.
9. **AMPLITUDE:** For fine adjustment of the output between the 20dB steps.