

**Model: 70156**  
**Technical Description**

The Equipment Under Test (EUT) is a superregenerative Transceiver operating 49.860MHz. The EUT is powered by 1 x 9.0VDC alkaline battery. The EUT has an ON /OFF switch, transmit button (PTT) and pulse generation button (code key). The communication method of the EUT is half duplex.

To transmit the signal, press and hold the transmit button. To send the pulse signal, press and hold the pulse generation button. The receiving mode will be active after switching on the EUT.

The circuit of the transmitter comprises of,

1. Encoder: Audio Amplifier and Morse code key  
Consisting: U1, CALL, SW2-A, R12, C27, C24, R17, C26, R18
2. A RF Oscillator (49.860MHz)  
Consisting: Y1
3. A Filter Network  
Consisting: L1, C8, C9, C10, C12, C11, R1
4. Amplifier  
Consisting: Q1, Q2
5. A Power Supply  
Consisting: 9.0V Alkaline battery
6. Speaker  
Consisting: SRK

The transmitter uses an external, integral and telescope-type.