

## **Description of Operation of Model 90305 Transmitter**

This transmitter is used to measure force (or torque) from a remote location and transmit the information about the force/torque to a receiver, where the user can monitor it.

This unit reads the signal from a strain gage force/torque sensor, converts it to a number and sends the number out on the selected radio channel.

The gain resistor is used to scale the sensor output to the number that is produced by it.

The channel select lines are used to select which RF channel (1 of 8) the device will transmit on.

The battery input is made to accept any voltage from 7-20 volts, with operation on a 9 volt battery being standard. The emmissions, intentional or otherwise, are constant with any power supply voltage within its specified range.