

Operation of CC-CL200

A) Sensor(Transmitter)

a. Reed switch

Reed switch generates one signal per every rotation of the wheel.

b. Pulse generator

One shot pulse with 3msec pulse width is generated by reed switch signal.

c. Oscillator

Oscillator generates pulses continuously during the one shot pulse.

d. Amplifier

The pulses are amplified and fed to transmitter coil.

e. Transmitter coil

Transmitter coil emits electromagnetic wave of 18kHz during the 3msec.

B) Main unit(Receiver)

a. Receiver coil

Main unit detects 18kHz electromagnetic wave at receiver coil.

b. RF amplifier and pulse shaper

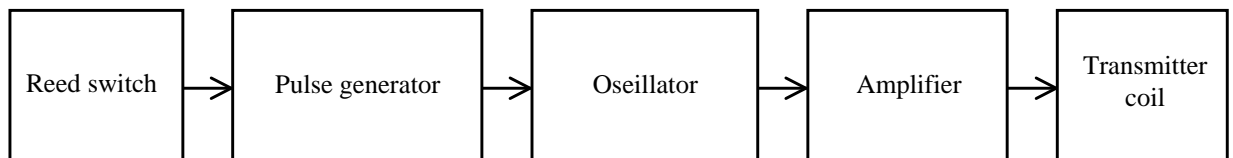
As the received signal strength is very low, the signal is amplified and shaped.

c. CPU controller

The received pulses are counted and the pulse intervals are measured. Then, the travelling speed, distance and other functions are displayed.

• Block diagram

A) Sensor (Transmitter)



B) Main unit (Receiver)

