

## ABSTRACT

A transmission controller 7B is configured to transmit an RW request signal for requesting transmission of a tag response signal to a RFID tag 1  
5 twice. At this time, a frequency controller 7A controls a PLL section 5A to transmit the RW request signal via different carrier frequencies. A phase information acquirer 8A detects a phase change amount of the tag response signal that is transmitted via different carrier frequencies. A distance calculator 8B calculates the distance between the reader/writer 2 and the RFID  
10 tag 1 on the basis of the phase change amount.