If the command is

READ_TH or READ_TL
or READ_SLOPE or READ_COUNT
READ_TEMP

Pull TS_RESET low,
then TS_CLOCK high and TS_RESET hight

Write command byte

Pull-up TS_DATA pin
to Hi-Z state for input

N = 0

Pull TS_CLOCK low,
read TS_DATA and
pull TS_CLOCK high

Apply "shift-left-OR-mask"
to append results

Increment N by 1

N is less then 9

N is equal to 9

Pull-down TS_DATA
pin for output

Pull TS_RESET low

Data has been read

Read 9-bit data from DS1620