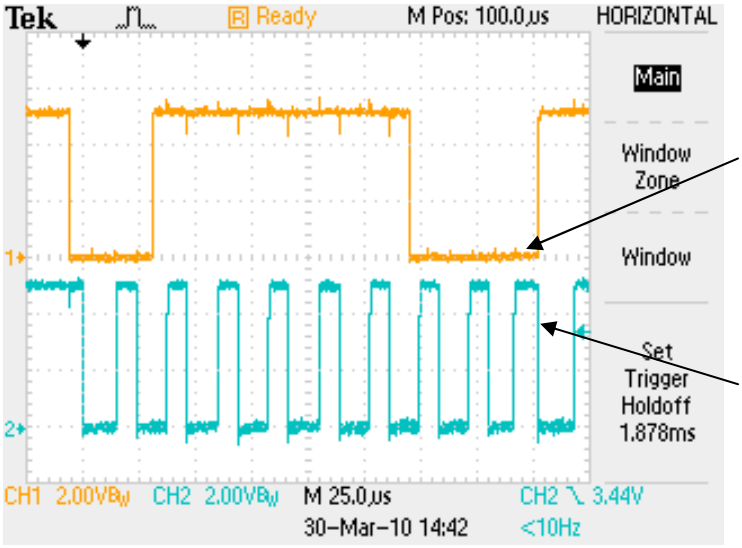
I2C Write Data Screen Shots

The I2CWRITE command sends DATA and CLOCK signals to a device but expects to see an acknowledgement back from the device to be communicated with.
The **end device** will acknowledge "good address" data ***by holding*** the DATA line LOW during 9th clock pulse so the sending micro-controller can continue sending data as illustrated here:

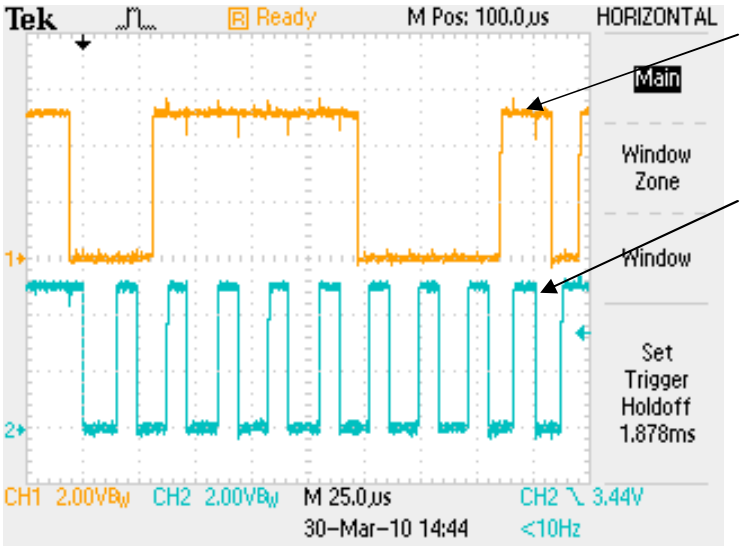


Important! Pull up resistors are required on SDA and SDC.

Data held LOW

9th CLK pulse

If the end device does not recognize the address data sent, then the DATA line will not be held LOW acknowledging "bad address" and will subsequently prevent the micro-controller from sending any further data as seen here:



DATA output switched to open collector and read as Input

9th CLK pulse

Understanding the command "label":
I2CWRITE SDA, SCL, Address, [value], label
The label is a GOTO when the address data is not recognized. Example:

```
label:     ' Use different name instead
DEBUG "End device did not recognize address, try again", 13, 10
GOTO Main
```