

Experimental data taken to determine the threshold for the coin detection

If it meets the threshold, we activate the pin and the electromagnet picks up the coin, when no coin is detected, then the electromagnet is off

Dime

$f = 0.0019849$

count = 105782

Nickel

$f = 0.002001$

count = 105142

Quarter

$f = 0.0020031$

count = 104835

Dollar

$f = 0.0020106$

count = 104435

Two dollars

$f = 0.0020011$

count = 104555

normal

$f = 0.0019706$

count = 106538