
Algorithm 1 Single-Ended Messung

```
1:  $DDRF \leftarrow DDRF \text{ AND NOT } (1 \text{ shifted left by } DDF0)$ 
2:  $ADMUX \leftarrow ADMUX \text{ OR } (1 \text{ shifted left by } ADLAR) \text{ OR } (1 \text{ shifted left by } REFS0);$ 

3: // Uncomment for auto trigger mode:
4:  $ADCSRA = ADCSRA \text{ OR } (1 \text{ shifted left by } ADATE)$ 
5:  $ADCSRB = ADCSRB \text{ OR } (1 \text{ shifted left by } ADTS1) \text{ OR } (1 \text{ shifted left by } ADTS0)$ 

6: // Enable Interrupt
7: // Enable ADC
8: // Prescaler  $\leftarrow 64 : ADC\_f = 8M/64$ 
9:  $ADCSRA = ADCSRA \text{ OR } (1 \text{ shifted left by } ADEN) \text{ OR } (1 \text{ shifted left by } ADSC)$ 
    $\text{OR } (1 \text{ shifted left by } ADPS2) \text{ OR } (1 \text{ shifted left by } ADPS1)$ 
10:  $DIDR0 = DIDR0 \text{ OR } (1 \text{ shifted left by } ADC0D)$ 

11: function ADCREAD
12:    $adc\_value \leftarrow 0$  // uint16_t
13: end function
```

Letzte Hüfe

xB Fucking HELS

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Todo list