

```

void adc::init()
{
    //-----luftdrucksensor-offset in arbeitsbereich fahren -----
    TCCR0B = 2; //timer 0 für pwm-offset am luftdrucksensor
    TCCR0A = (1<<COM0A1)|(1<<COM0B1)|3;
    OCR0A = 0;
    OCR0B = 120;
    TCNT0 = 0;
    druckoffset = 100;
    OCR0A = druckoffset;
    ADMUX = 67; //kanal 3
    _delay_ms(50);
    ADCSRA=(1<<ADEN)|(1<<ADSC)|(1<<ADPS2)|(1<<ADPS1)|(1<<ADPS0); //start
    while(ADCSRA & (1<<ADSC) )
    {
    };
    offset[3] = 1000;
    while (offset[3] > 950)
    {
        //ADMUX = 67 ;
        druckoffset ++;
        OCR0A = druckoffset;
        _delay_ms(100);
        //
        offset[3] = ADCW ;
        ADCSRA=(1<<ADEN)|(1<<ADSC)|(1<<ADPS2)|(1<<ADPS1)|(1<<ADPS0); //start
        while(ADCSRA & (1<<ADSC) )
        {
        };
    }
}

```