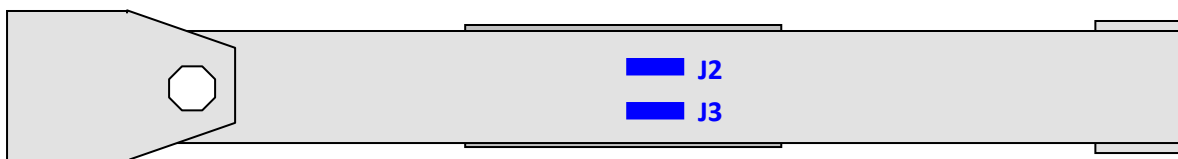
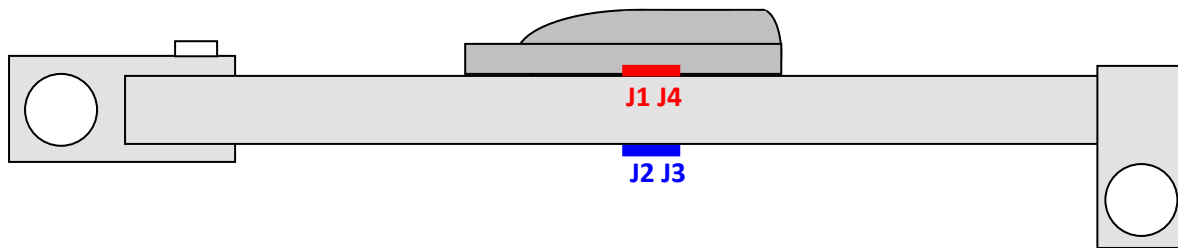
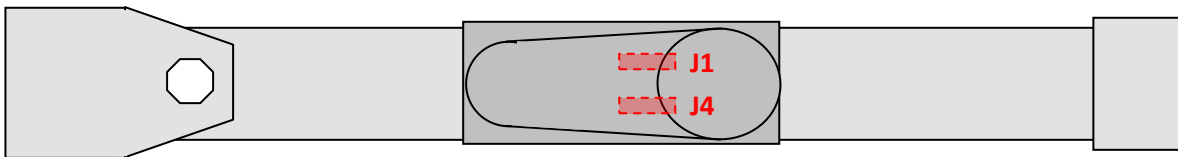
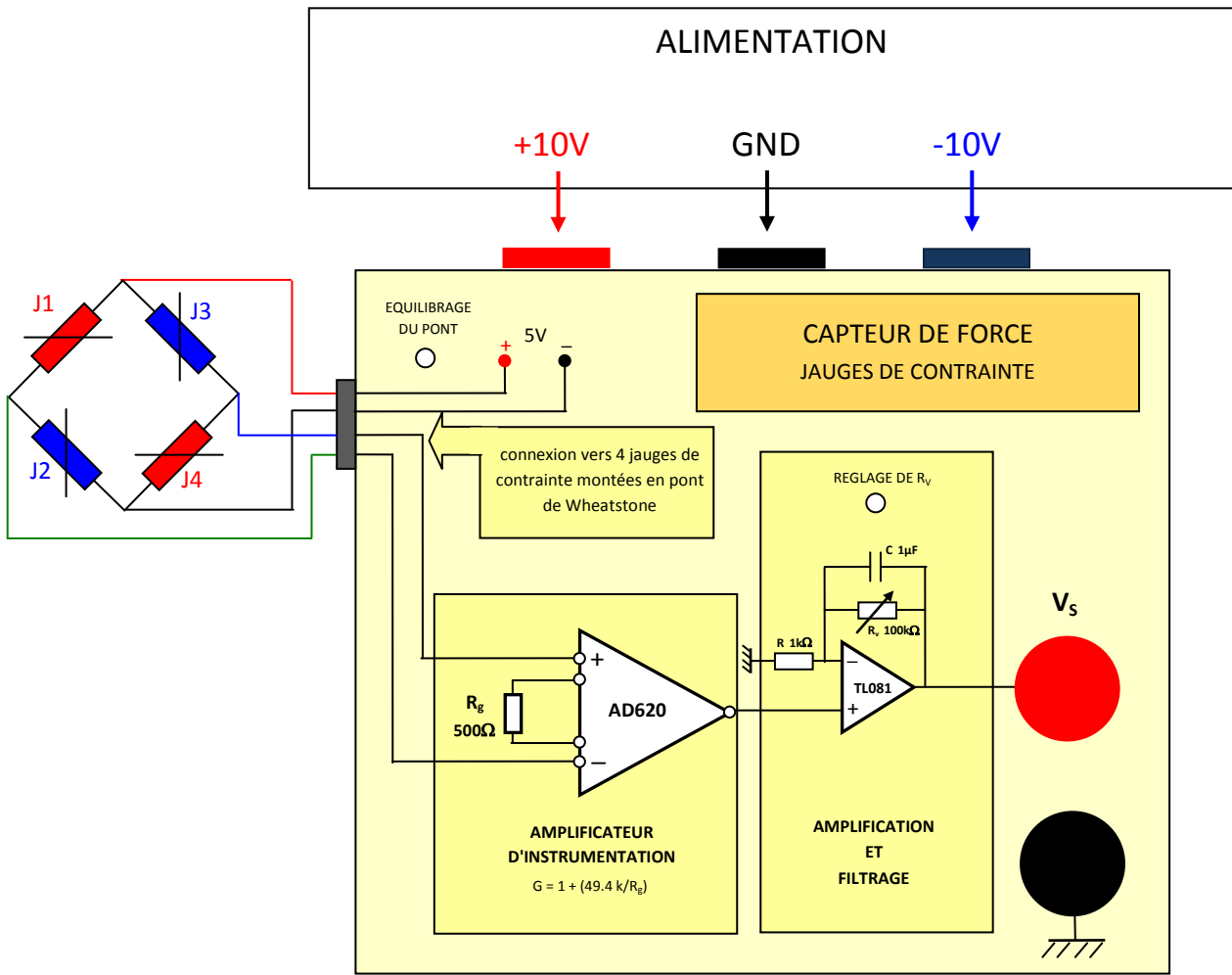
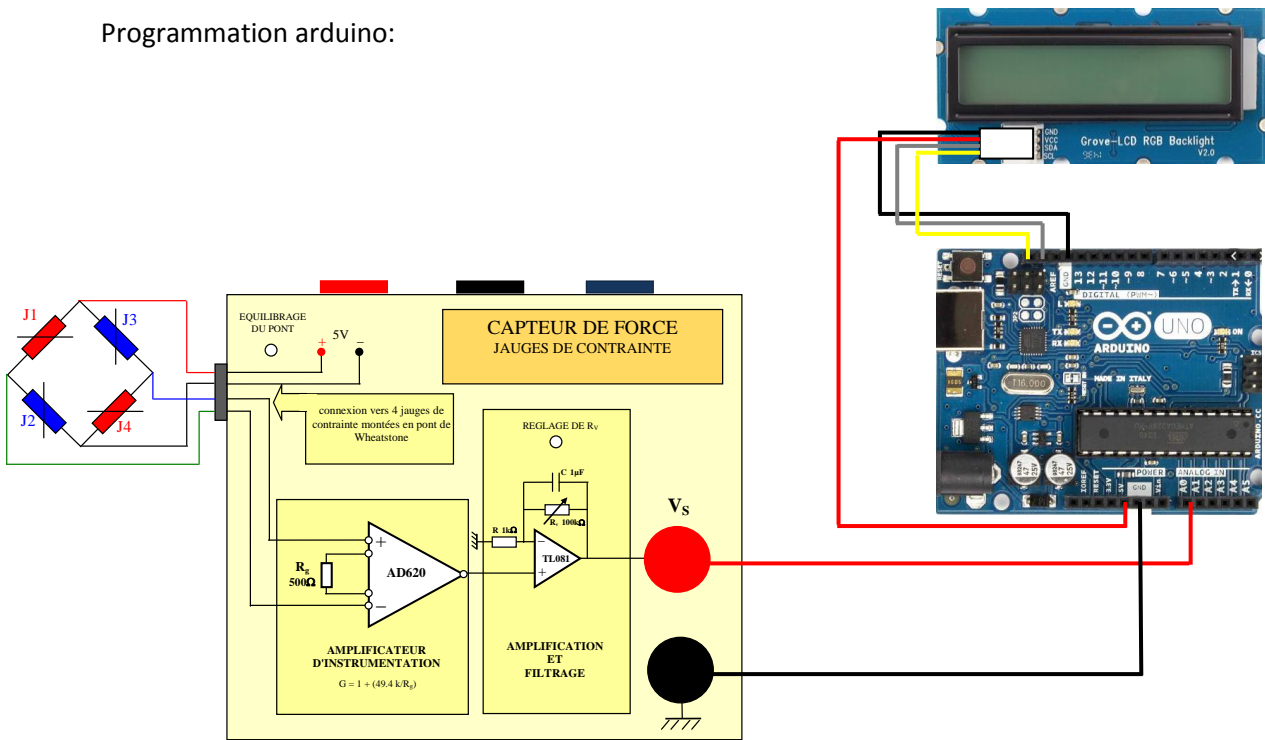


CAPTEUR DE FORCE



Programmation arduino:



```
#include <rgb_lcd.h>
```

```
rgb_lcd lcd;
```

```
const int colorR = 255;
```

```
const int colorG = 255;
```

```
const int colorB = 255;
```

```
void setup() {
```

```
  lcd.begin (16,2);
```

```
  Serial.begin(9600);
```

```
}
```

```
void loop() {
```

```
  int Vs= analogRead(A0);
```

```
  float F=(5.0/1023)*Vs*100; // à définir en fonction du réglage de Rv (ici 10mV pour 1N)
```

```
  Serial.println(Vs);
```

```
  Serial.println(F);
```

```
  lcd.clear();
```

```
  lcd.setCursor (1,0);
```

```
  lcd.print ("FORCE = ");
```

```
  lcd.print (F,1);
```

```
  lcd.print (" N");
```

```
  delay (500);
```

```
}
```

Schema de la maquette:

