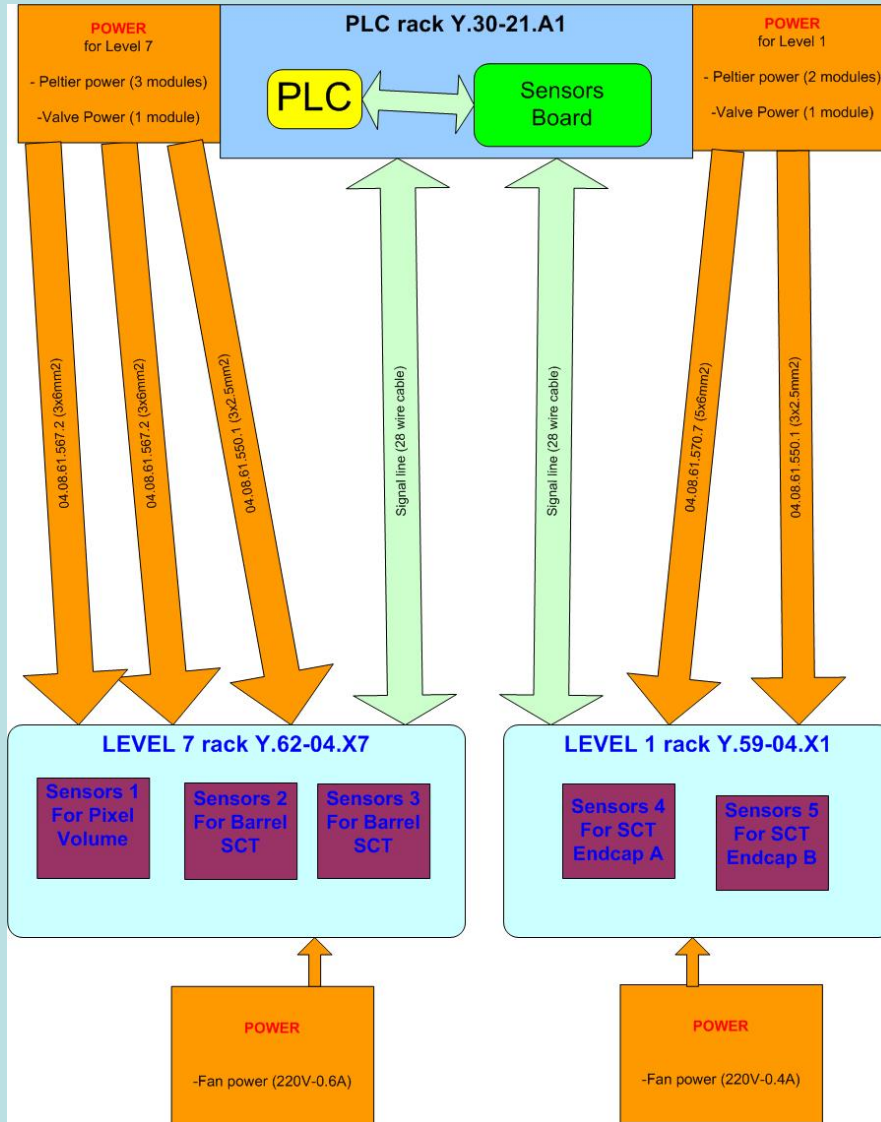


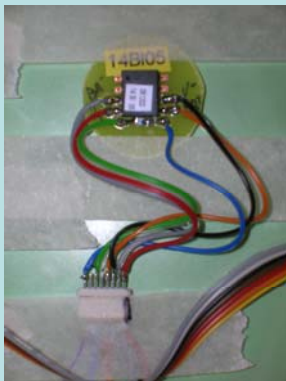
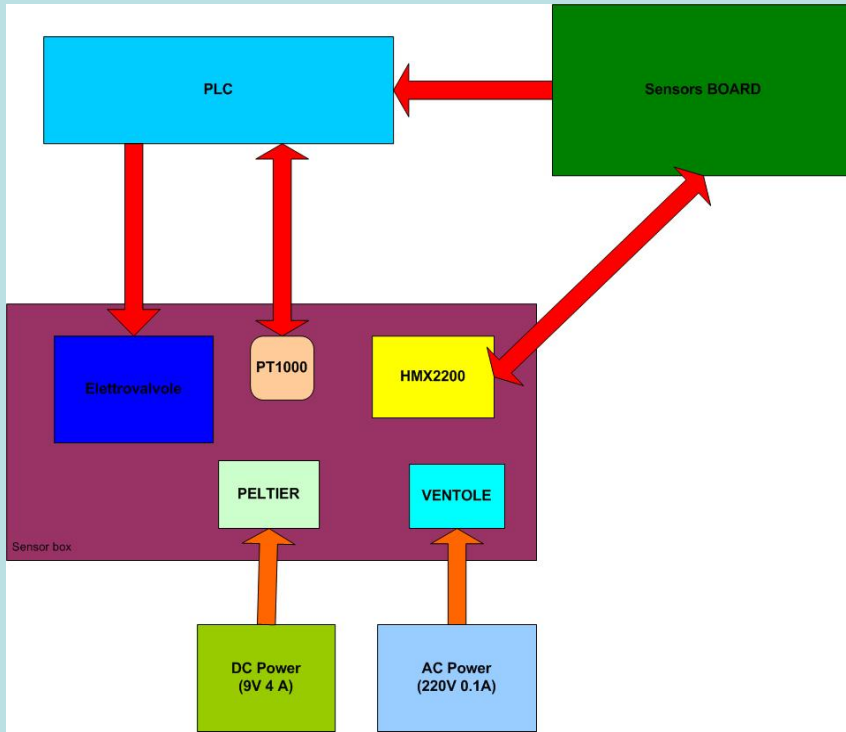
Humidity and Temperature Control

| | |
|----------|----------------------------------|
| 1 | Schematic |
| 2 | Box and Sensor |
| 3 | PLC and Board |
| 4 | Mechanics |
| 5 | HMX2200 |
| 6 | Home page and Web Monitor |

Humidity and Temperature Control- Schematic

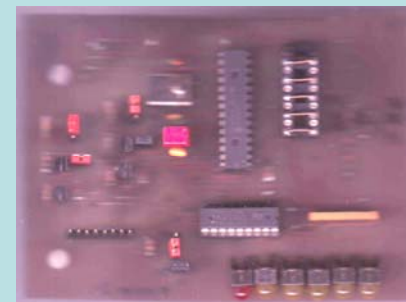
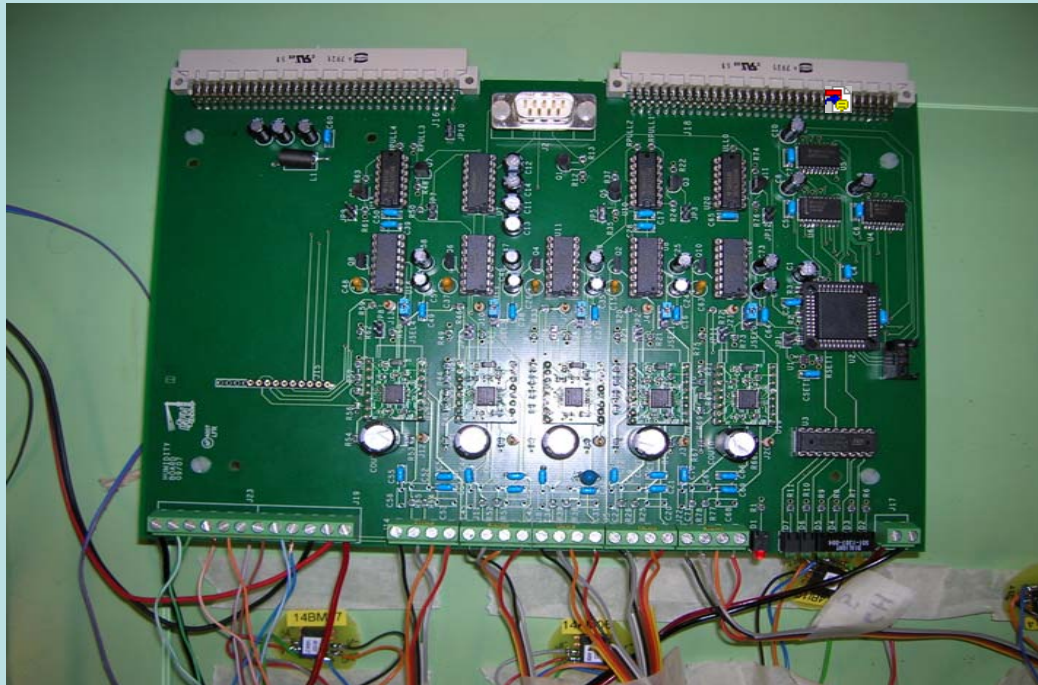
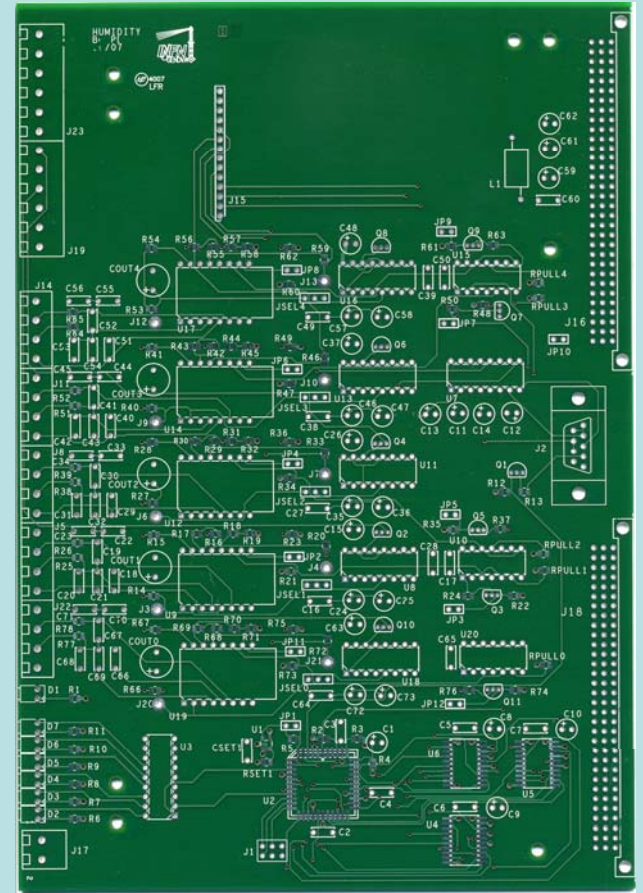
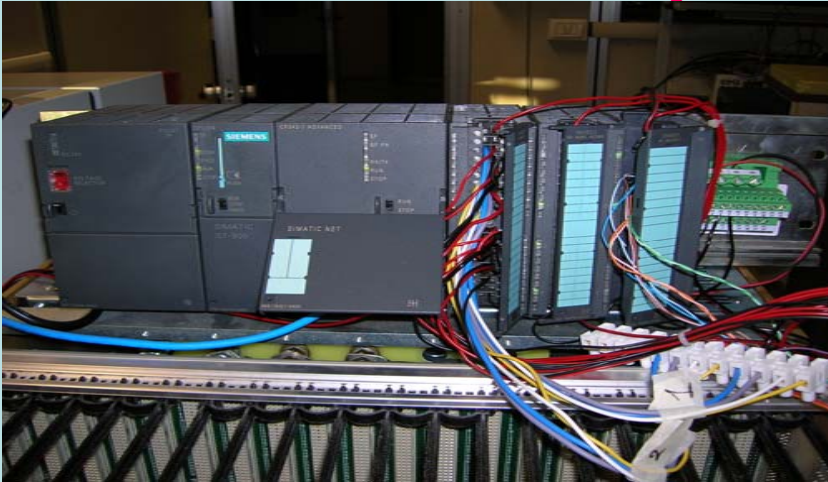


Humidity and Temperature Control – Box and Sensor

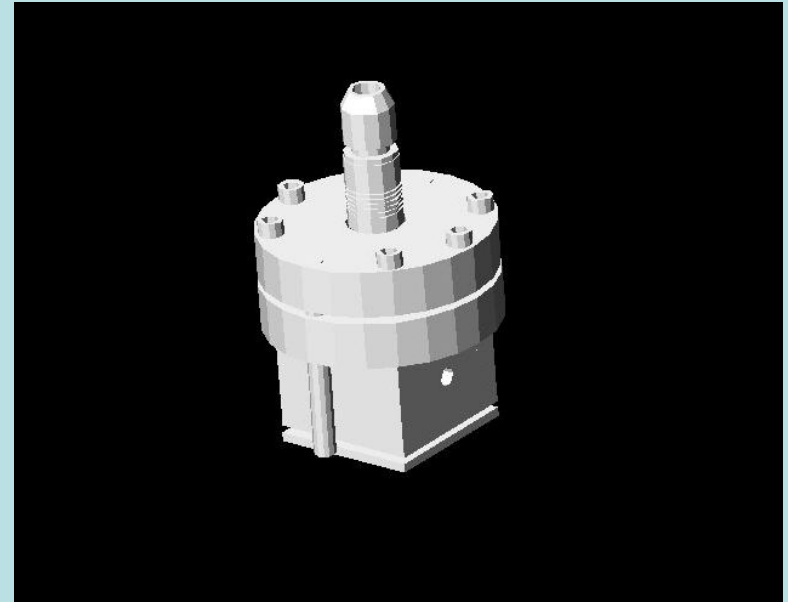
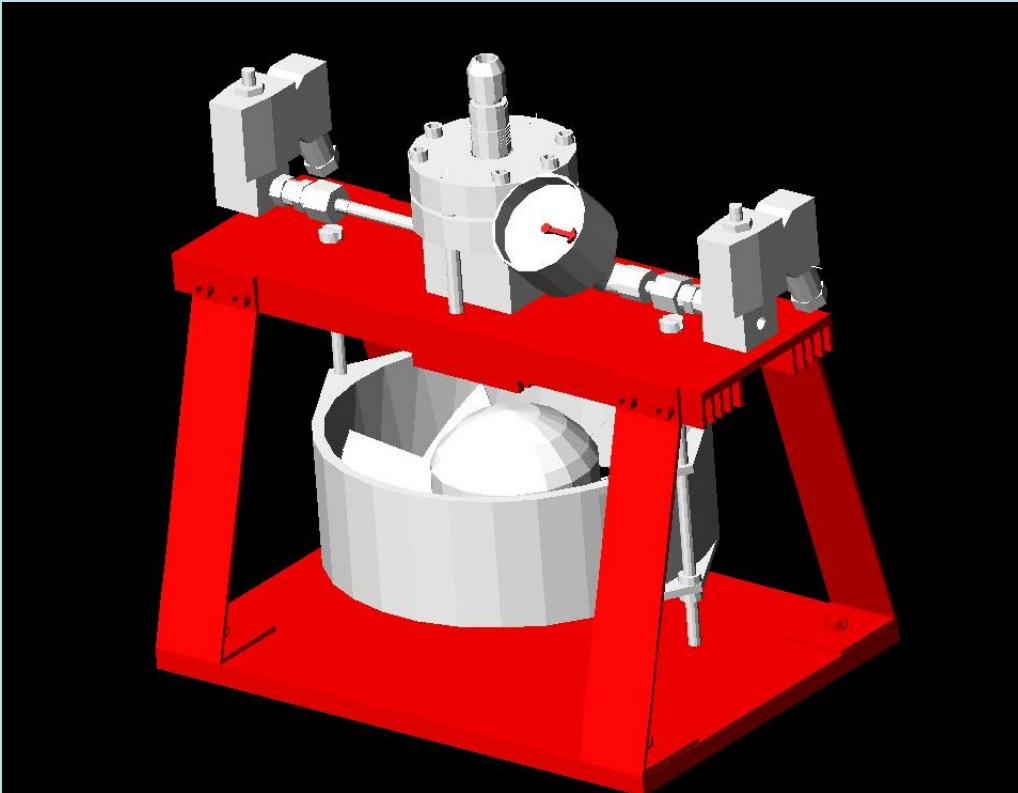


hight box = 52 mm
base side = 40 mm

Humidity and Temperature Control- PLC and Board

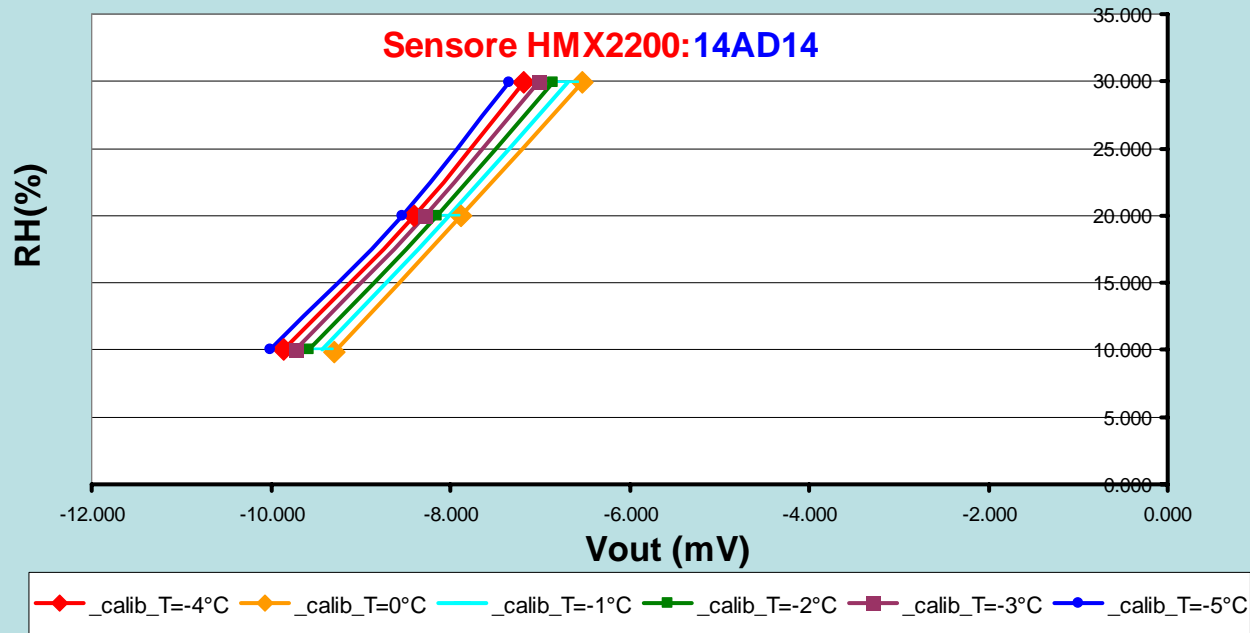


Humidity and Temperature Control- Mechanics



Humidity and Temperature Control- HMX2200

| | | | | | | | | | | | |
|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| -5 | | -4 | | -3 | | -2 | | -1 | | 0 | |
| 14AD14 | | | | | | | | | | | |
| (mV) | RH | (mV) | RH | (mV) | RH | (mV) | RH | (mV) | RH | (mV) | RH |
| -7.349 | 29.966 | -7.185 | 29.966 | -7.021 | 29.966 | -6.857 | 29.966 | -6.693 | 29.966 | -6.529 | 29.966 |
| -8.540 | 19.963 | -8.409 | 19.963 | -8.278 | 19.963 | -8.147 | 19.963 | -8.017 | 19.963 | -7.886 | 19.976 |
| -10.005 | 9.994 | -9.861 | 9.994 | -9.718 | 9.994 | -9.574 | 9.994 | -9.430 | 9.994 | -9.287 | 9.881 |



| | | | | |
|-----------------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| $RH=7.4933 \cdot V + 84.65$ | $RH=7.4445 \cdot V + 83.141$ | $RH=7.3948 \cdot V + 81.639$ | $RH=7.3442 \cdot V + 80.144$ | $RH=7.2929 \cdot V + 78.657$ |
| -5 | -4 | -3 | -2 | -1 |
| pt1000= 981 ohm | pt1000= 985 ohm | pt1000= 988 ohm | pt1000= 992 ohm | pt1000= 996 ohm |

