# Sensor Positioning

Diagram, schematic

Description automatically generated

1L is placed in the AC in the floor above

3a\_50 is still in the outlet of the indoor chamber just before the valve (hard to access)

17 sensors in total

# Test 1

Date: 20/05/2021 17:35

Experiment: Recirculation of Helios devices at level 5. The entire Air conditioner is used as a closed loop to fill the CO2 for 50 seconds.

Description:

|  |  |  |
| --- | --- | --- |
| Parameter | Description | Remarks |
| Push-Pull device | Helios |  |
| Push-Pull device volume | Level 5 |  |
| Indoor chamber volume flow | 60 m3/hr |  |
| Outdoor chamber volume flow | 60 m3/hr |  |
| Configuration | The entire AC is used to fill CO2 |  |
|  |  |  |

Diagram

Description automatically generated

|  |  |  |
| --- | --- | --- |
| Time | Incident | Remarks |
| 17:35 | Setup ready and CO2 is released for 50 seconds |  |
| 18:16 | The experiment begins | The valve AD200 was closed hence caused a bit of recirculation. It was immediately opened after 2 minutes. |
| 18:38 | The experiment is concluded. | To observe this effect, check 2c\_50 and 3L0Ku sensors in evaluation |
|  |  |  |

# Test 2

Date: 20/05/2021 18:54

Experiment: Recirculation of Helios devices at level 5. Only the test stand is used to fill the CO2.

Description:

|  |  |  |
| --- | --- | --- |
| Parameter | Description | Remarks |
| Push-Pull device | Helios |  |
| Push-Pull device volume | Level 5 |  |
| Indoor chamber volume flow | 60 m3/hr |  |
| Outdoor chamber volume flow | 60 m3/hr |  |
| Configuration | Just the test stand is used to fill the CO2 |  |
|  |  |  |

|  |  |  |
| --- | --- | --- |
| Time | Incident | Remarks |
| 18:54 | The experimental setup is ready the push-pull devices are sealed |  |
| 18:57 | C02 is filled for 20 seconds in the test stand | 20 seconds helped reach 4200 ppm |
| 19:19 | The experiment begins | 1T sensor stopped at some point |
| 19:35 | The experiment is concluded |  |

3d