

Airpointer[®] base unit

Comes in 3 different sizes



2D

can fit 2 analyzers



4D

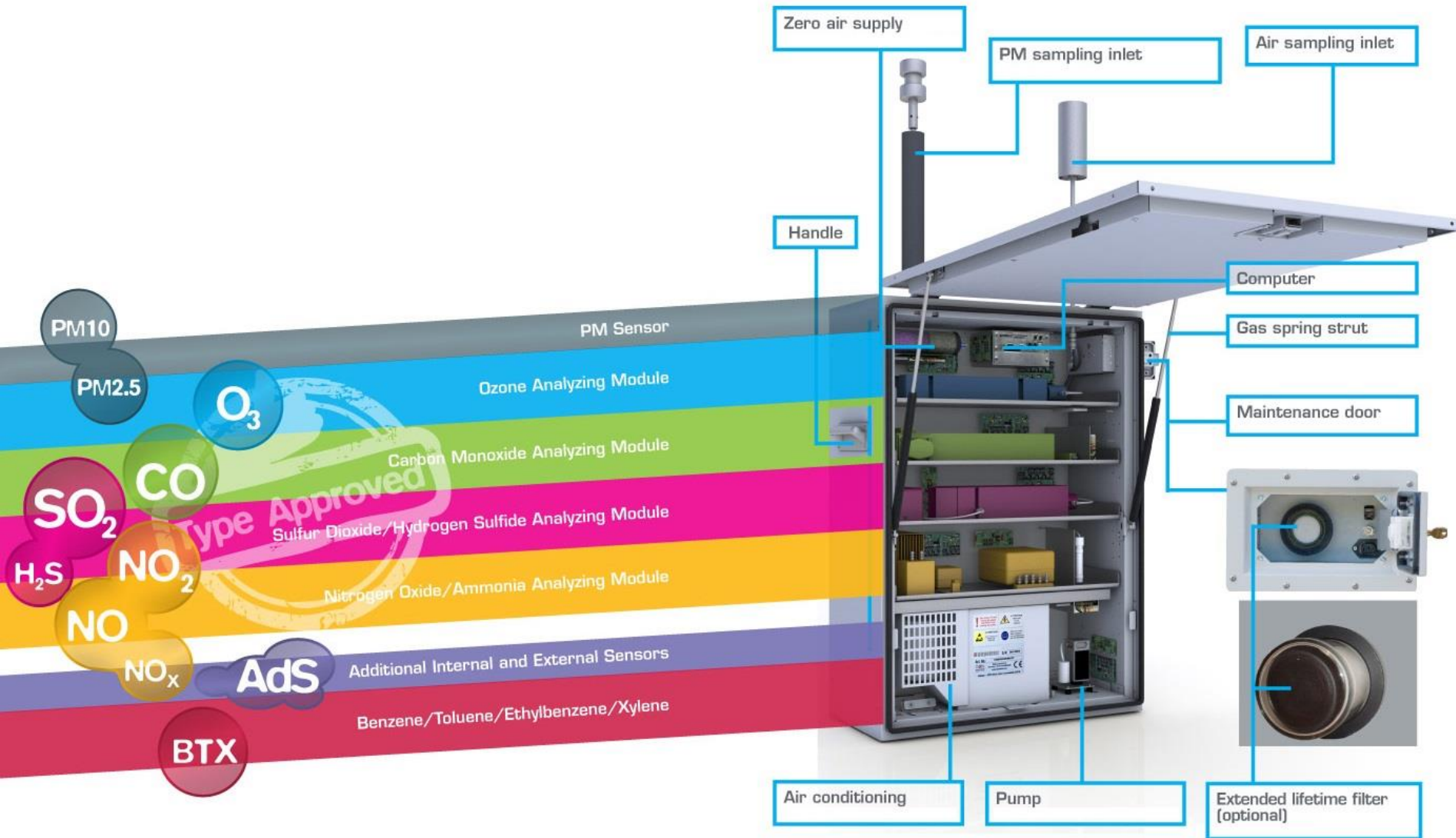
can fit 4 analyzers



HC

can fit up to 6 analyzers

Can measure up to 14 pollutants



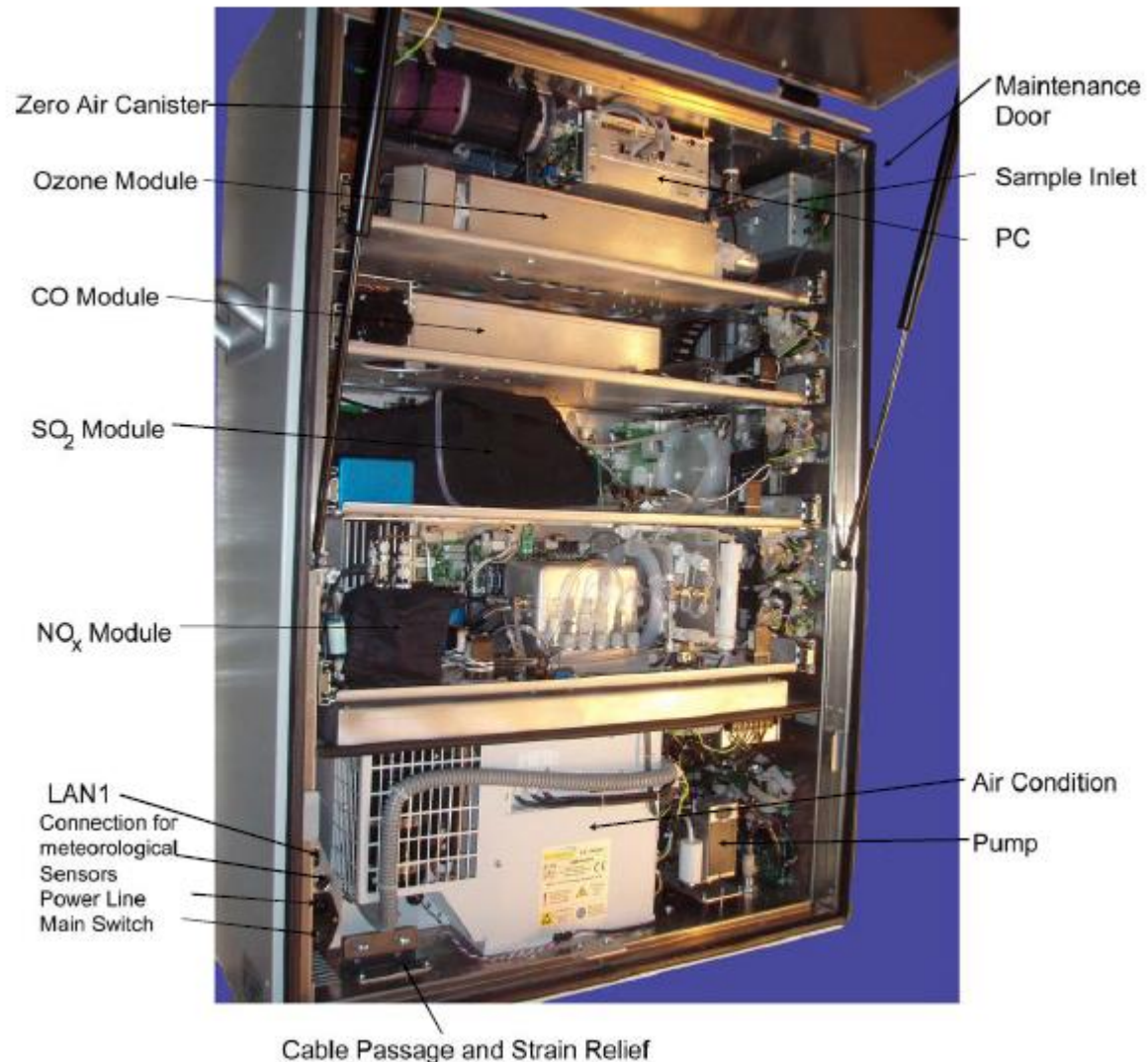
And also...

Optional analyzers:

- NH₃
- VOC¹
- CO₂
- weather station

Optional devices:

- GPS
- Uninterruptible power supply (UPS)
- Heater for temperatures < -40°C
- Extended life sample filter (with water trap)...



1: Volatile Organic Compounds

Type-approved PM

(For HC only)



Grimm EDM180



Teledyne API T640



Metone BAM1020

NMHC (Non Methanic HydroCarbons)

(For HC only)

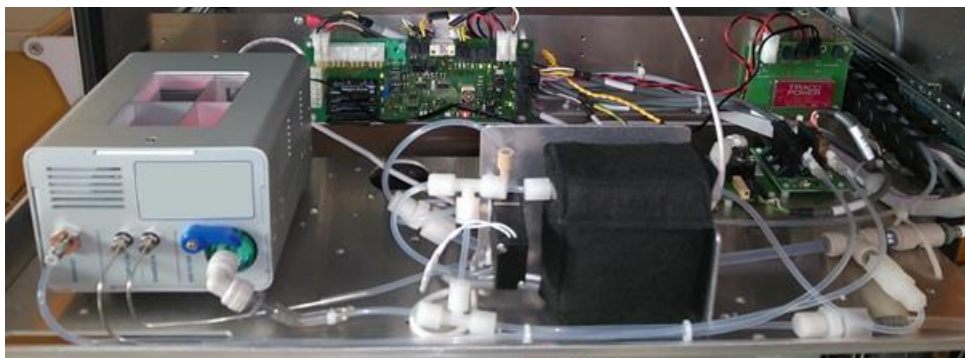
Methane/Non-Methane GC-FID



Air + H₂
generator for the FID



BTEX (Benzene, Toluene, Ethylbenzene, Xylenes)




GC-PID in drawer version (for all Airpointer types)



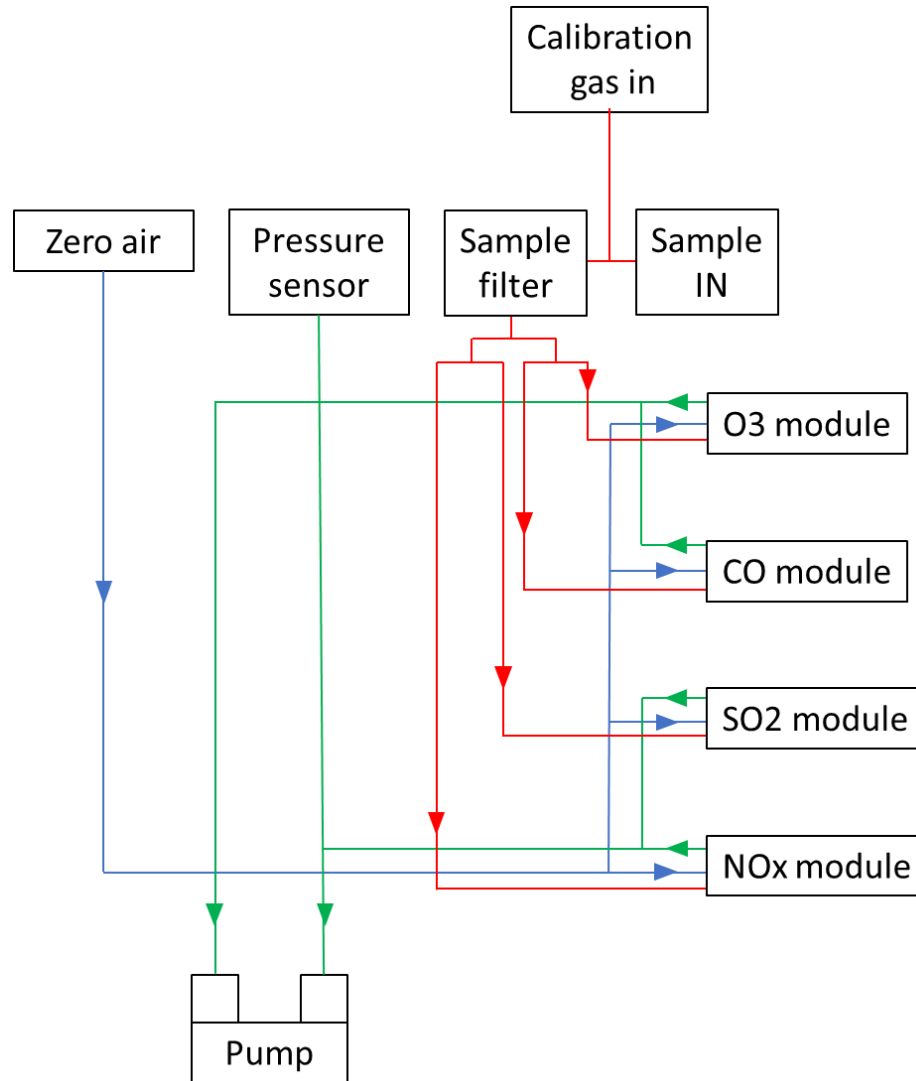
GC-PID in compact version (for HC only)

Choose the housing and the regional settings

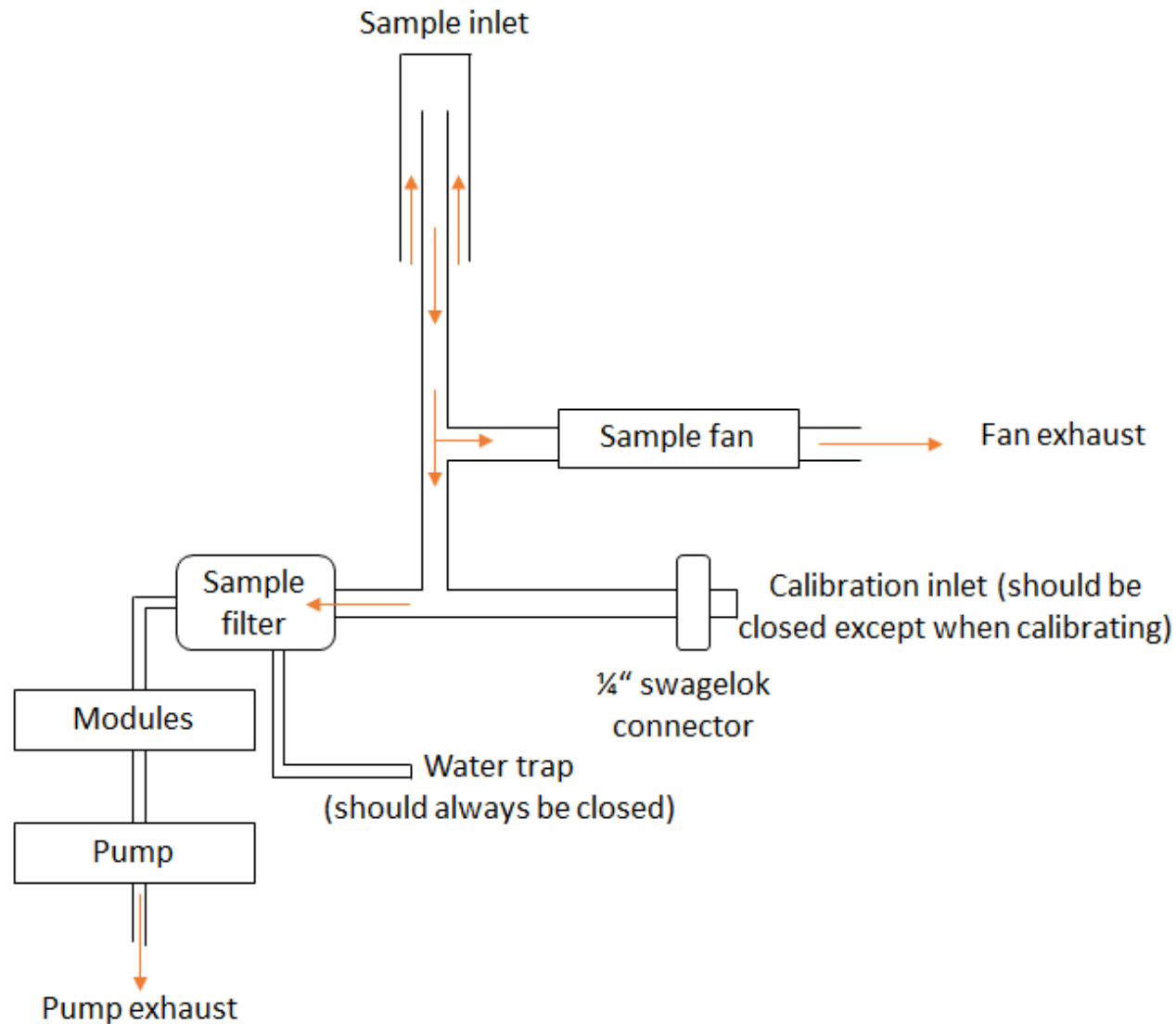
A	B	C	D	E
HOW TO KNOW WHICH AIRPOINTER HOUSING YOU NEED?				
Simply answer the 4 questions below and see the results at the bottom of the page				
				
1- Which module do you want in your airpointer?				
<input checked="" type="checkbox"/> O3	<input type="checkbox"/> VOC			
<input checked="" type="checkbox"/> CO	<input type="checkbox"/> NMHC			
<input checked="" type="checkbox"/> SO2	<input type="checkbox"/> PM MultiPM			
<input type="checkbox"/> H2S	<input checked="" type="checkbox"/> PM Grimm EDM180			
<input type="checkbox"/> SO2+H2S	<input type="checkbox"/> PM BAM 2.5			
<input checked="" type="checkbox"/> NOx	<input type="checkbox"/> PM BAM 10			
<input type="checkbox"/> NOx+NH3	<input type="checkbox"/> PM T640			
<input type="checkbox"/> BTEX	<input type="checkbox"/> PM T640x			
2- Is the maximum outside temperature > 42°C?				
<input type="radio"/> Yes <input checked="" type="radio"/> No				
3- Do you want Thermo or Teledyne-API benches?				
<input checked="" type="radio"/> Thermo <input type="radio"/> Teledyne API				
4- In which country will the airpointer be installed?				
<input type="text" value="Albania"/>				
You need this Airpointer model:				
HC				
with this AC voltage:				
230 V				
and this AC frequency:				
50 Hz				
and this type of LTE modem:				
LTE Router or Modem 4G/LTE				
v1.0 KC Apr2019				

Excel sheet available here:
<https://www.airpointer.tech/airpointer-base-unit/>

Sampling system



Sampling system



Parameters

Actual System Values no calibration active

System SensorInterface Board

RoomTempUp	30.3	°C	PressPump	271.1	mbar
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Pump Control Board

AmbientTemp	34.9	°C	DC5V	5.34	V
PumpRoomTemp	33.6	°C	DC12V	12.7	V
FanPumpRoomRPM	2940	rpm	DC15V	15.0	V
FanSampleRPM	3930	rpm	DCneg15V	-15.5	V
Key 1	0		Key 2	0	

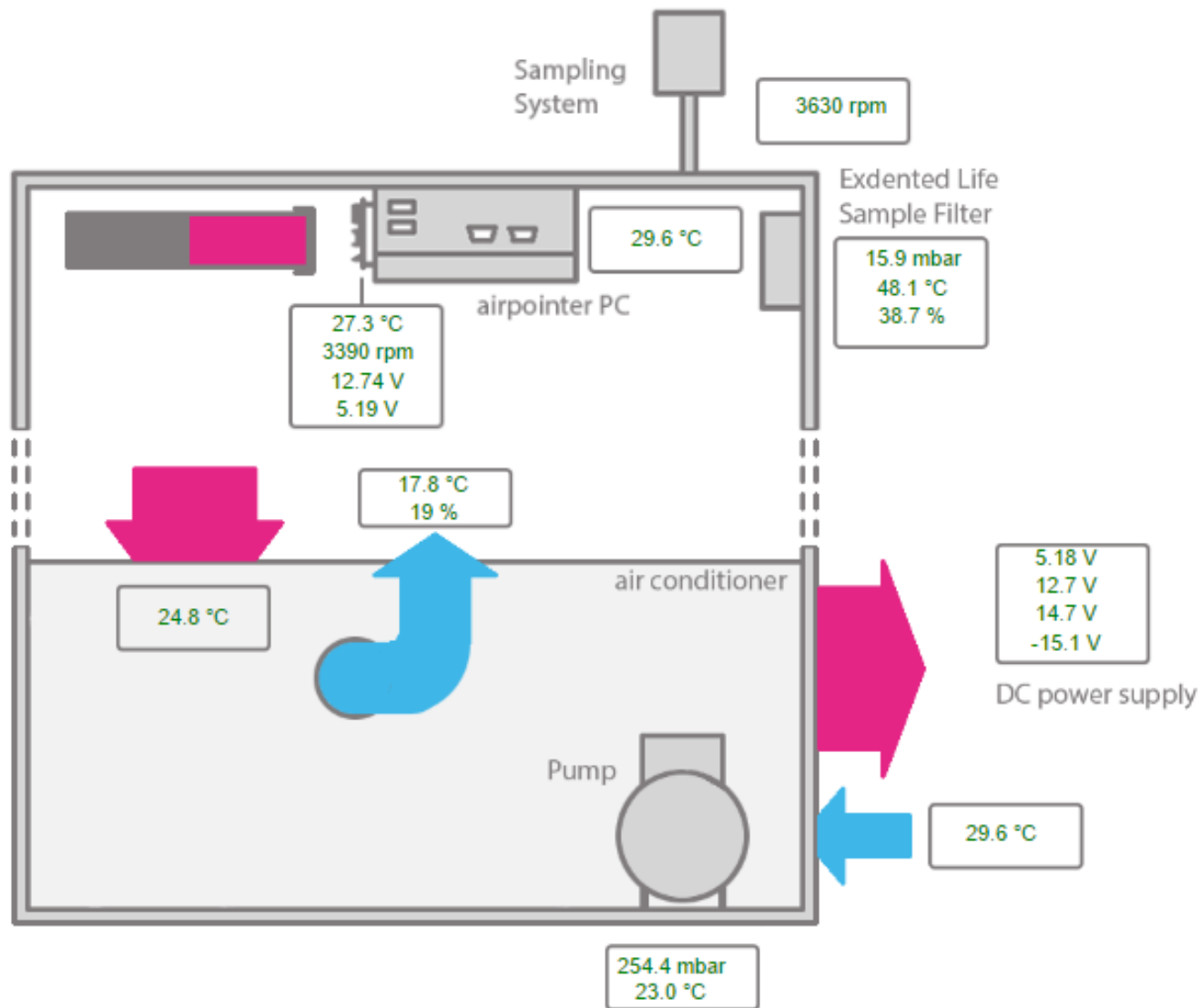
Clima Control Board

RoomTemp	29.3	°C	CoolerOutTemp	24.7	°C
Coolerpercent	100.0	%	HeaterPercent	0.0	%
ClimaActMode	1	%	-		

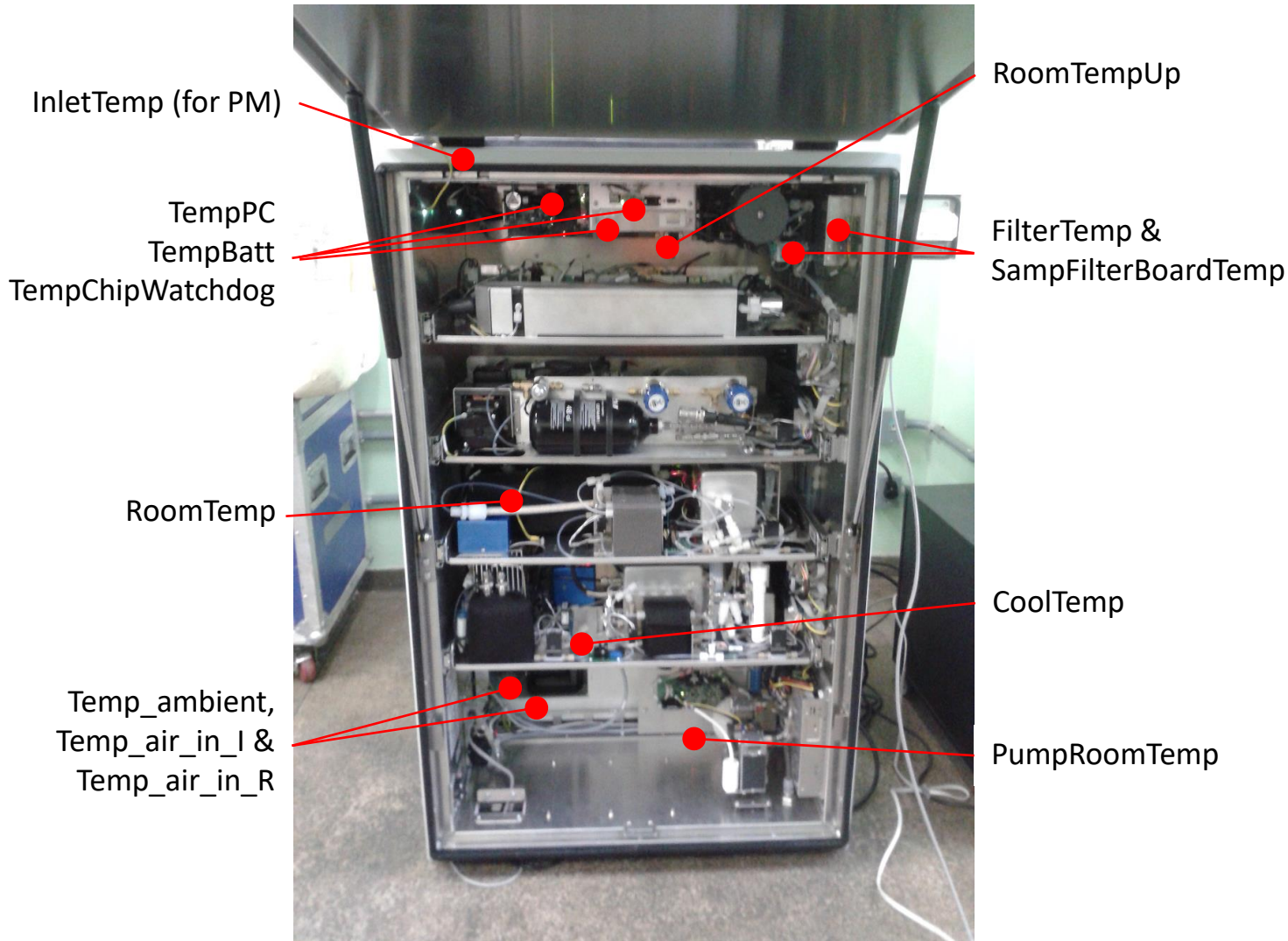
Watchdog Board

DC5V_PC	5.16	V	DC12V_Wtd	12.80	V
Temp_PC	33.3	°C	TempChipWatchdog	31.0	°C
Countdown	1459	sec	Restart in	00h 24min 19sec	
Restarts	0		RestartSLT	0	
FanUpSpeed	3420	rpm			

Parameters



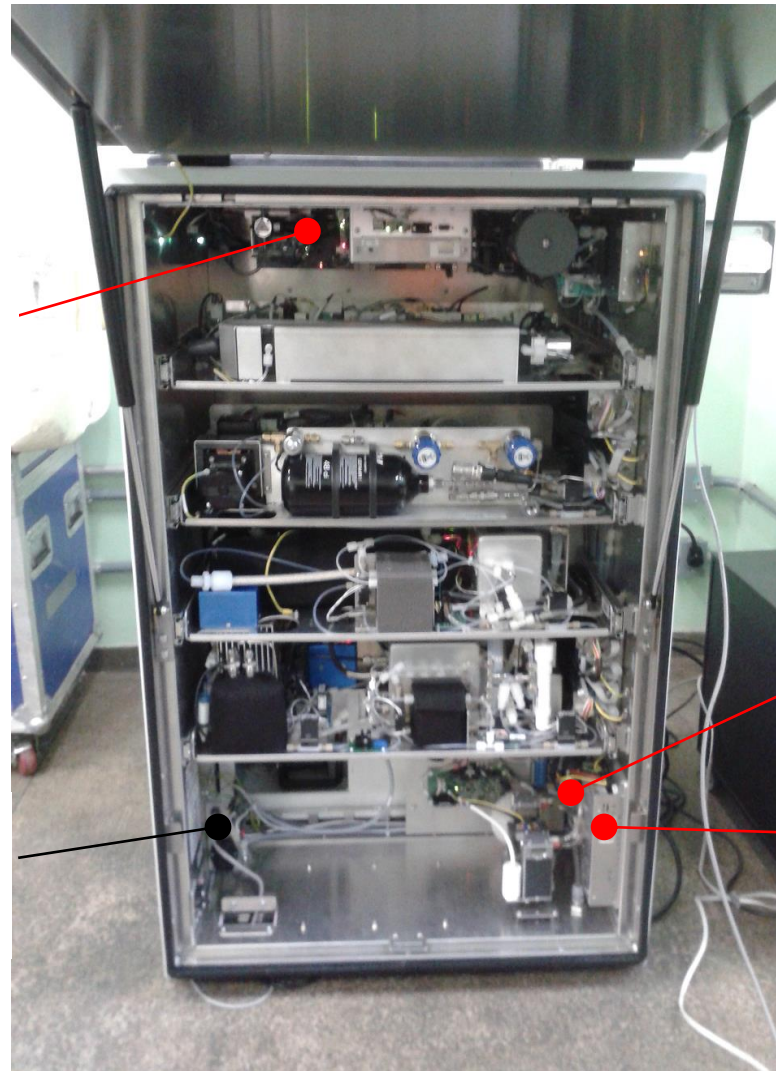
Parameters: temperatures monitored



Parameters: voltages

Watchdog board
5V DC & 12V DC

AC inlet:
230V/50Hz or
115V/60Hz



DC Power supply: +12V

DC Power supply:
+5V, +15V, -15V

Preventive maintenance

Every month:

- Replace ø47mm sample filter
- Clean air conditioner grilles
- Clean pump room ventilation inlet, and sample fan outlet (airpointer 2D and 4D only)

Every trimester:

- Exchange zero air adsorbants and DFU filter
- Replace ext.life sample filter

Every year:

- Clean sampling probe
- Clean air conditioner (HC airpointer only)
- Rebuild pump

Full schedule available here:

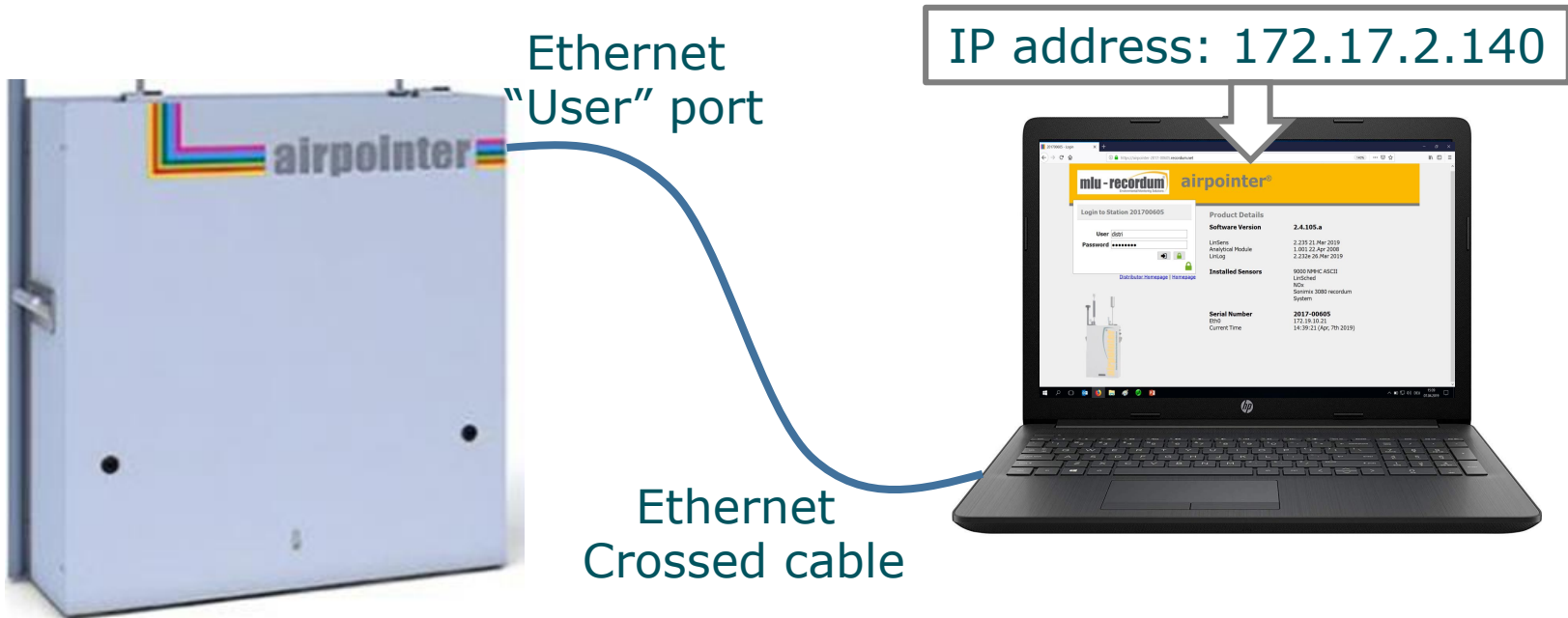
<https://www.airpointer.tech/maintenance-schedule/>

Calibration

- Under normal operation, nothing to calibrate

How to connect

- Directly



How to connect

- Using a Local Area Network

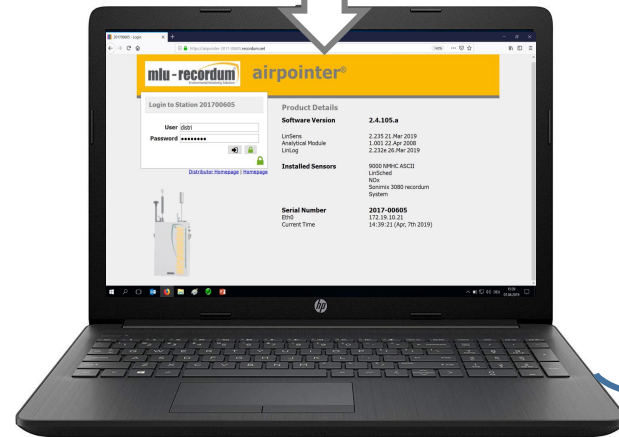


Ethernet
"System" port

Ethernet
Straight cable

LAN

Local IP (e-g: 192.168.0.10)



Ethernet
Straight cable

LAN

How to connect

- Over the internet



4G antenna

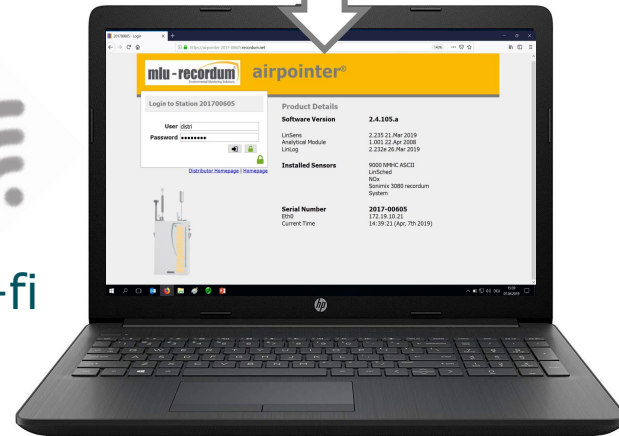


(S/N, e-g: 2017-00605)

URL: airpointer-YYYY-00xxx.recordum.net



Wi-fi



How to connect



Thank you for your attention!