



# CONTROL EQUIPMENT

est. 1977

PTY LTD

Gas Detection and Industrial Hygiene



## XP Personal Dust Monitor

### Quick Start Guide

Version 3.1 30052025

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Power	Lithium Ion Battery 3.7V
Charger**	5V 1AMP
Operating Temperature	0°C to 60°C
Operating Humidity	0-95% non-condensing

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\*\* Please use supplied charger

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Run time	12+ hours typical
Cloud Connectivity	Cloud ready
Wi-Fi	802.11 b/g/n
Memory capacity	400 million+ datalog
Display	2.4 inch TFT display
Datalog file format	CSV
Datalog file grouping	Daily
Datalog retrieval	Webserver - Smart Device or PC
Noise @ 1 Meter	25 dB (A) Max

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#### Laser Sensor Specification

Measured particle size	0.3µm - 10µm
Measurement range	0-5000µm/m <sup>3</sup>
Sampling method	Fan Driven
Acoustic emission level (.2m)	25 dB(A)

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Monitor is indicative and non-material selective.

**ON/OFF button** – Press button to turn ON the device. ***\*\*\*If device failed to turn ON press the LEFT Hidden Button momentarily (watchdog reset) and then Press the ON/OFF button.***

Long press button while on operation mode till it displays OFF to shut-down the device.

Webserver and CLOUD Mode can also be toggled using the ON/OFF button.

**Alarm Indication** – **Screen Will Turn RED** will blink when the unit reading reaches the set Threshold Limit Value (TLV). For setting the TLV values please refer to section ***ALARM SETUP***.

**Battery Power** - **GREEN Battery Icon** full green up to 11 hours run time, ½ bar 6 hours runtime, 1/3 bar up to 2 hours runs time.

**Empty Battery Icon** will illuminate, with approximately 30 minutes of runtime.

**External Power and Charging** – Connect USB C wall charger, instrument will go to charging mode. Battery Icon will be displayed.

Caution – For best charging result only use the supplied USB charger.

**CONNECTION TO SMART DEVICE – XP Personal Dust Monitor** comes with an embedded application that enables it to connect to smart device using **Wi Fi**.

**Network Name** is **XPP - serial number**.

**Wi Fi password** is the **serial number**.

*Application (Server) ip address is 10.10.10.10*

*Supported browser – Safari, Chrome, and Edge.*

*Wi Fi will turn off after 8 minutes.*

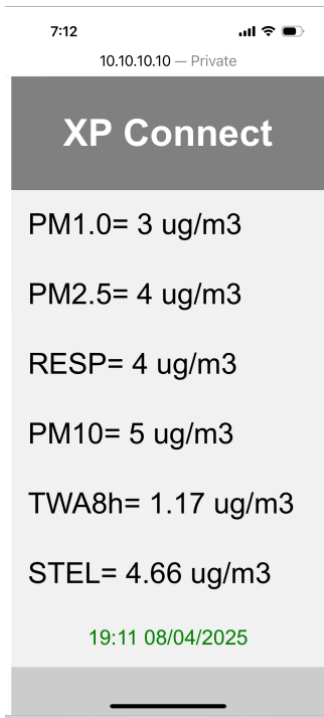
**Pressing the Power Button Momentarily will turn ON the Wi Fi**

*Note: Application is customized for smart mobile devices.*

## REAL TIME READING

Connect a Smart Phone or PC via the Wi Fi with credential on the previous section.

Open a browser and enter 10.10.10.10 on the browser URL area. ***XP Connect*** will now be displayed on your browser.



**MODE MENU** – specific for silica exposure measurement, the function uses the SDS of the material (e.g., engineered stone) to realistically estimate silica dust exposure.

External Power Supply – ON/OFF

Screen – ON/OFF

FastLog – ON/OFF

TWA Dial Gauge – ON/OFF

*TWA[8hr] – Display Time  
Weighted 8 hours  
exposure in real-time.*

7:12 10.10.10.10 – Private

## XP Connect

### RCS MODE

Utilizing the SDS of the Stone RCS correction can be set below:

SDS CorFactor set@ 100.0%

SDS CorFactor:

**SET**

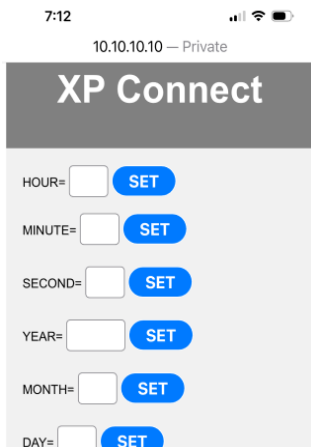
CorFactor: 100.0:100 AZ Dust

CorFactor:  **SET**

Enable USB Power: 0

Enable:  **SET**

**TIME SETUP** – as default unit will be shipped Australian Eastern Standard Time (AEST). Make sure to setup time properly prior initial use.



7:12 10.10.10.10 — Private

## XP Connect

HOUR=  SET

MINUTE=  SET

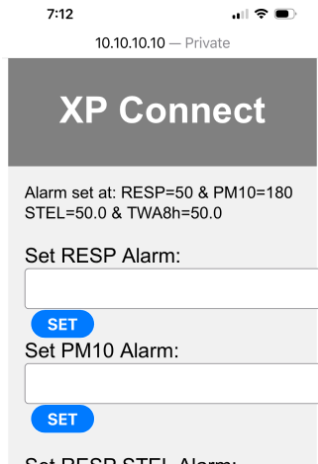
SECOND=  SET

YEAR=  SET

MONTH=  SET

DAY=  SET

**ALARM SETUP** – DusTech XP Personal Monitor have the capability of setting TLVs. Instantaneous alarms for Respirable and PM10 and STEL and TWA alarms.



7:12 10.10.10.10 — Private

## XP Connect

Alarm set at: RESP=50 & PM10=180  
STEL=50.0 & TWA8h=50.0

Set RESP Alarm:

SET

Set PM10 Alarm:

SET

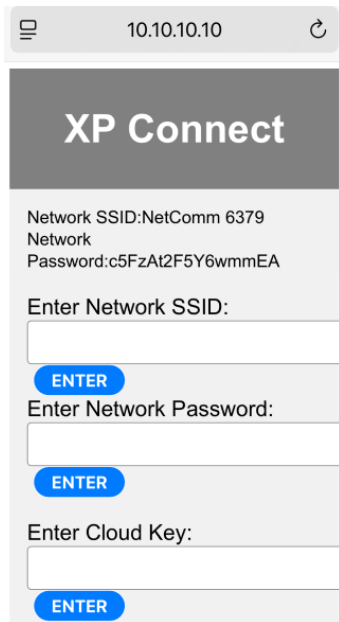
Set RESP STEL Alarm:

**Net Option** – Cloud connectivity setup. XP can use cellphone hotspot or site WiFi as gateway to upload measurement in real-time.

\*\*Subscription required to generate Cloud Key

## DOWNLOADING

**DATALOG** – Immediate download of the datalog using smart device or PC. Logs are in CSV format and can be easily graphed using excel.



10.10.10.10

# XP Connect

Network SSID: NetComm 6379  
Network  
Password: c5FzAt2F5Y6wmmEA

Enter Network SSID:

ENTER

Enter Network Password:

ENTER

Enter Cloud Key:

ENTER

