



1. What is new in this version

This version is a minor upgrade from last release (V1.7.5). It supports MP300T1 alarm log and MP883 controller log and fixed some bugs.

[New features]

- 1) Support MP300T1 to get MP10X alarm events from TF card (and export to csv file). Require MP300T1 v0.5.1.1 or above.
- 2) Get MP883 controller log from TF card (and export to csv file).

[Enhancements]

- 1) General
 - a. Polish CaliCase and Dock gas inlet setting UI.
 - b. Optimize the serial port communications.

[Bugs Fixed]

- 1) General
 - a. When generate certificate from Dock log, some information (such as buzzer, LED) is not correct.
 - b. When generate certificate from device event log, some information (such as sensor and test result) is not correct.
 - c. Fix some software crushes.

2. Software Features

This software supports device configurations and firmware upgrade:

- 1) UNI/UNI321 (MP10x) serials
 - a. Get and set UNI configurations.
 - b. Load and save configuration template.
 - c. Get Bump/Calibration records and export to file.
 - d. Get alarm events and export to file.
 - e. Upgrade firmware.
- 2) UNI LITE (MP110) serials
 - a. Get and set UNI LITE configurations.
 - b. Load and save configuration template.
 - c. Get and set user gases.
 - d. Download UNI LITE datalog and export to file.
 - e. Clear datalog.
 - f. Upgrade firmware.
- 3) NEO (MP18x) serials
 - a. Get and set NEO configurations.



- b. Load and save configuration template.
 - c. Get and set user gases.
 - d. Get real-time reading and export to file.
 - e. Download NEO datalog and export to file.
 - f. Clear datalog.
 - g. Get Calibration records and generate certificate.
 - h. Get alarm events and export to file.
 - i. Upgrade firmware.
- 4) POLI (MP40x) serials
 - a. Get and set POLI configurations.
 - b. Load and save configuration template.
 - c. Get and set user gases.
 - d. Get real-time reading and export to file.
 - e. Download POLI datalog and export to file.
 - f. Clear datalog.
 - g. Get Bump/Calibration records and generate certificate.
 - h. Get alarm events and export to file.
 - i. Upgrade firmware.
- 5) MUNI (MP42x) serials
 - a. Get and set MUNI configurations.
 - b. Load and save configuration template.
 - c. Get and set user gases.
 - d. Get Bump/Calibration records and generate certificate.
 - e. Get alarm events and export to file.
 - f. Upgrade firmware.
- 6) UNI Docking Box (MP100T)
 - a. Get and set UNI Docking Box configurations.
 - b. Load and save configuration template.
 - c. Download Bump/Calibration records and generate certification.
 - d. Upgrade firmware.
- 7) CaliCase UNI (MP300T1)
 - a. Get and set CaliCase configurations.
 - b. Load and save configuration template.
 - c. Download Bump/Calibration records from TF card and generate certification.
 - d. [Download UNI alarm events from TF card and export to file.](#)
 - e. Upgrade firmware.
- 8) POLI Docking Station (MP400T)
 - a. Get and set POLI Docking Station configurations.
 - b. Load and save configuration template.
 - c. Download Bump/Calibration records and generate certification.



- d. Upgrade firmware.
- 9) MUNI Docking Station (MP420T)
 - a. Get and set MUNI Docking Station configurations.
 - b. Load and save configuration template.
 - c. Download Bump/Calibration records and generate certification.
 - d. Upgrade firmware.
- 10) CaliCase MUNI (MP342)
 - a. Get and set CaliCase MUNI configurations.
 - b. Load and save configuration template.
 - c. Upgrade firmware.
 - d. From u-disk, load CaliCase MUNI firmware package to CaliCase MUNI.
 - e. From u-disk, load CaliCase MUNI configuration template to CaliCase MUNI.
 - f. From u-disk, load MUNI firmware package to CaliCase MUNI.
 - g. From u-disk, load MUNI configuration template to CaliCase MUNI.
 - h. From u-disk, load CaliCase MUNI Bump/Calibration records and export to file.
 - i. Make changes to the MUNI configuration template and save to u-disk.
 - j. Make changes to the CaliCase MUNI configuration template and save to u-disk.
- 11) MP883
 - a. [Download log from TF card and export to file.](#)

3. Software Requirements

3.1. Software Requirements

This application supports Windows7, Windows10, Windows11 or above.

3.2. Device Supported

To use latest firmware version of devices (UNI, UNI LITE, NEO, POLI, MUNI, CaliCase UNI, UNI Docking Box, POLI Docking Station, MUNI Docking Station, CaliCase MUNI) is always a good practice for best performance.

MP10X – v0.4.1.4

[MP110– v0.1.2.0](#)

MP18X – v0.2.3.4

[MP40X – v0.1.6.4 \(in PV\)](#)

[MP42X – v0.2.0.6 \(in PV\)](#)

[MP300 – v0.5.1.1 \(in PV\)](#)

MP100T – v0.0.3.7

MP400T – v0.0.1.9



[MP420T – v0.1.1.2](#)

[MP342 – v0.1.0.3](#)

3.3.Hardware Requirements

3.4.Other Information

Dock gas bottle settings

Gas	Name	Unit (User can select on mPower Suite)	Max (ppm)
CO	Carbon Monoxide	ppm	2000
H2S	Hydrogen Sulfide	ppm	1000
O2	Oxygen	%	300000
CH4	Methane	%VOL, %LEL	1000000
SO2	Sulfur Dioxide	ppm	100
HCN	Hydrogen Cyanide	ppm	100
NH3	Ammonia	ppm	500
Cl2	Chlorine	ppm	50
H2	Hydrogen	ppm	2000
NO	Nitric Oxide	ppm	250
NO2	Nitrogen Dioxide	ppm	20
PH3	Phosphine	ppm	20
ETO	Ethylene Oxide	ppm	200
CH3SH	Methyl Mercaptan	ppm	10
THT	Tetrahydrothiophene	ppm	40
C4H8	Isobutylene	ppm	10000
CO2	Carbon dioxide	ppm	1000000
N2O	Nitrous Oxide	ppm	1000
C5H12	Pentane	ppm	3500
HF	Hydrogen Fluoride	ppm	20
HCl	Hydrogen Chloride	ppm	15



Release Notes

MP100T		MP300T1	
Inlet#1	Max 4 Gases	Inlet#1	Max 5 Gases
CO	Carbon Monoxide	CO	Carbon Monoxide
H2S	Hydrogen Sulfide	H2S	Hydrogen Sulfide
O2	Oxygen	O2	Oxygen
NH3	Ammonia	NH3	Ammonia
Cl2	Chlorine	Cl2	Chlorine
H2	Hydrogen	H2	Hydrogen
HCl	Hydrogen Chloride	HCl	Hydrogen Chloride
HCN	Hydrogen Cyanide	HCN	Hydrogen Cyanide
HF	Hydrogen Fluoride	HF	Hydrogen Fluoride
NO	Nitric Oxide	NO	Nitric Oxide
NO2	Nitrogen Dioxide	NO2	Nitrogen Dioxide
PH3	Phosphine	PH3	Phosphine
SO2	Sulfur Dioxide	SO2	Sulfur Dioxide
ETO	Ethylene Oxide	ETO	Ethylene Oxide
CH3SH	Methyl Mercaptan	CH3SH	Methyl Mercaptan
THT	Tetrahydrothiophene	THT	Tetrahydrothiophene

MP400T		MP420T	
Inlet#1/2	Max 5 Gases/Inlet	Inlet#1/2	Max 5 Gases/Inlet
CO	Carbon Monoxide	CO	Carbon Monoxide
H2S	Hydrogen Sulfide	H2S	Hydrogen Sulfide
O2	Oxygen	O2	Oxygen
CH4	Methane	CH4	Methane
C4H8	Isobutylene	HCN	Hydrogen cyanide
CO2	Carbon dioxide	SO2	Sulfur dioxide
NH3	Ammonia	MP342	
HCN	Hydrogen cyanide	Inlet#1/2	Max 5 Gases/Inlet
NO	Nitric oxide	CO	Carbon Monoxide
PH3	Phosphine	H2S	Hydrogen Sulfide
SO2	Sulfur dioxide	O2	Oxygen
ETO	Ethylene oxide	CH4	Methane
CH3SH	Methyl mercaptan	HCN	Hydrogen cyanide
THT	Tetrahydrothiophene	SO2	Sulfur dioxide
H2	Hydrogen		
Cl2	Chlorine		
NO2	Nitrogen Dioxide		
N2O	Nitrous Oxide		