GMI PS200 4-Gas Meter

Buxton Fire-Rescue

GMI PS200

- 4 Gas meter capable of detecting LEL, O2, CO & H2S gases.
- Replacing 2 old meters that were beyond repair. (MSA Altair Meters).
- These meters will be placed at Station 2.
- Located on A-425 & E-422.

Features

- Auto bump/cal station makes meter calibration and bump tests easy.
- Simple as placing the meter in the docking station and closing the door.
- 4-gas detection.
- Pump mode for use in confined space scenarios.
- Red bumper case for protection of the unit.
- USB for tracking of calibration results.

Meter Start Up

- Press & Hold the power button on the front of the meter under the display screen
- You will hear the meter's pump turn on during the start up, and it will turn off when the meter has gone through its 30 sec. warm up.
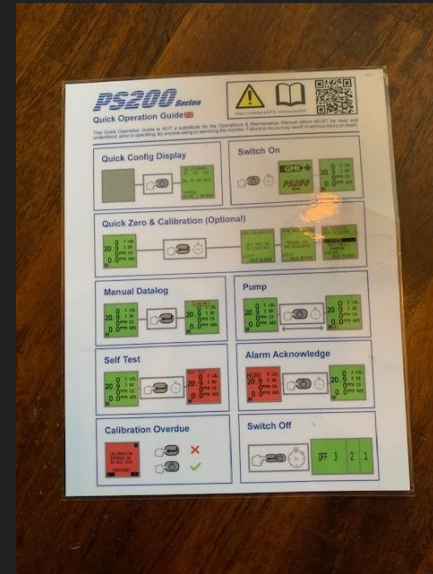- After the meter has completed its warm up the meter is ready for use.

Turning Off The Meter

- Press & Hold the two buttons on the front of the meter. (Power button & select arrow for 3 seconds, and let go of the buttons.
- Meter will then turn off.
- The meter pump also runs during meter shut down, as it does during the start up phase.

Reference Material

- Quick reference sheets will be kept near the docking station at Station 2 in case you forget how to navigate through the calibration/start up process.

The Docking Station

- Will be used as the primary means of charging the meter.
- When charging the meter, leave the cover open. Otherwise it will start the calibration process when the cover is closed.
- The docking station will be located on the table by the service truck at Station 2.
- Place the meter in the docking station, and close the cover to start calibration process.
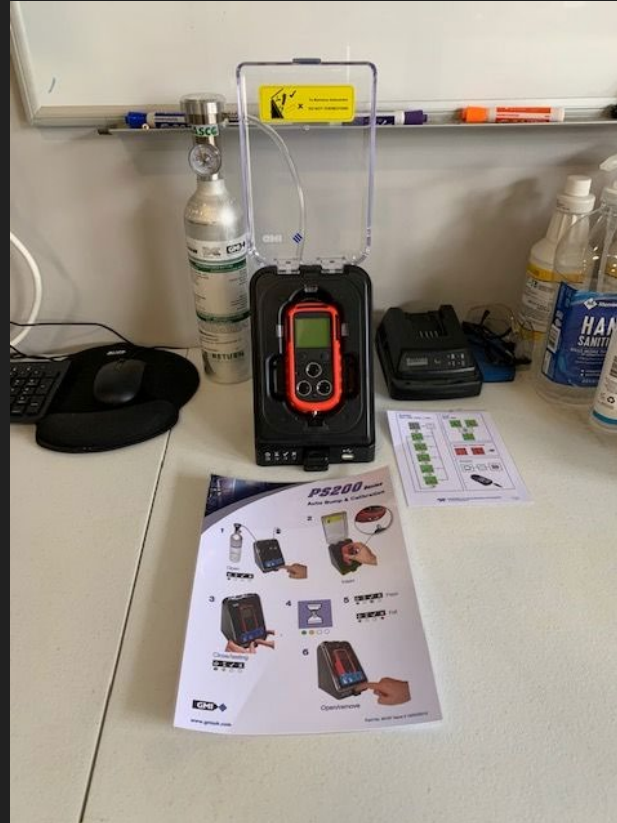
The Docking Station Cont.

- The docking station is designed to perform an automatic bump test, and calibration whenever the meter is in place and the cover is closed.
- The calibration gas stays hooked up to the docking station.
- No separate or manual calibration is needed.
- Calibration will be performed every 90 days (manuf. recom)

Docking Station Location

Diffuse/Pump Modes

- Diffuse mode on this meter is what we are going to use 99% of the time when using this meter on calls. Air sampling happens when the gases present in the air around you pass over the sensors on the meter.
- The meter will default to diffuse mode when it is turned on and completes the 30 sec warm up process.
- Hold the power button for 1 sec to activate the meters internal pump. Hold 1 sec. to return to diffuse mode & turn the pump off.
- The pump is primarily used for confined spaces applications, when you have long pick up tubes that require a vacuum to sample the air.

Confined Space Applications

- Place long "sniffer" tube on bottom port of meter as shown with quarter turn connection.
- The sniffer tube has particulate filter attached to the end of it so the meter does not pick up any dust or debris.
- About 1 sec per foot of vacuum for sampling. 8 foot tube = 8 seconds until you will likely see any change in readings on your meter if gases are present.

Sniffer Tube

- Will be kept with the PS200 4-gas meter on E-422.

PS200 4-Gas Meters

- Please use this link to access a video on how to calibrate the PS200 meter using the docking station.

https://www.youtube.com/watch?v=AFyMJ205szo&t=13s

PS200 4-Gas Meter Manual

https://www.manualslib.com/manual/1996195/Gmi-Ps200-Series.html?page=10#manual