

SOUTH PORTLAND FIRE DEPARTMENT

STANDARD OPERATING GUIDELINES

SOG #:	5.171	Effective Date:	3/6/2024
Title:	Gas Meter Maintenance	# of pages:	2
Category:	Administrative	Classification:	Yellow

1. **PURPOSE:** To ensure all department members are familiar with department gas detection meter maintenance and calibration policies.
2. **POLICY:** All gas detections meters under the control of the South Portland Fire Department shall be maintained per manufacture recommendations.
3. **PROCEDURES:**

Gas detections meters are classified in the following manners and unless otherwise directed by the owner's manuals will be maintained as follows.

 - **Daily Use Meters**
 - These are the four gas meters, which are carried on the staffed apparatus (Currently Rae Systems QRae 3)
 - Meters shall be bump tested daily by the apparatus operator or designee using the assigned docking station
 - Meters shall be calibrated every 30 days using the assigned docking station
 - Sensors shall be replaced and other repairs initiated by members of the meter team as needed
 - Any issues with a Daily Use Meter shall be reported using the department's RMS system.
 - **Hazmat Response Meters**
 - These are meters that are assigned to the Hazmat Units and would normally only be used at a confirmed event. These include, but are not limited to AreaRAE, MultiRAE, MiniRAE, and single sensor Chlorine and Ammonia meters
 - Meters shall be bump tested by the technical unit prior to any deployment
 - Meters shall be calibrated every 30 days by members of the meter team
 - Sensors shall be replaced and other repairs completed by members of the meter team as needed
 - Any issues with a Hazmat Response Meters shall be reported using the department's RMS system
 - **Specialty Meters**
 - These are meters that are not used on a regular basis such as the HCN meters
 - Meters shall be bump tested prior to any deployment

- Meters shall be calibrated every 30 days by members of the meter team
- Sensors shall be replaced and other repairs completed by members of the meter team as needed
- Any issues with a Specialty Meters shall be reported using the department's RMS system
- Single Sensor CO Meters
 - These meters are assigned to the staffed fire company officers and attached to the ambulances' jump kits. Their sole purpose is to determine if there is CO at a medical emergency. They are not intended to replace the Daily Use Meters. Once a CO issue is determined to exist, a Daily Use Meter shall be brought in to complete the site assessment
 - Meters shall be calibrated every 30 days by members of the meter team
 - Sensors shall be replaced and other repairs completed by members of the meter team as needed
 - Any issues with a Single Sensor CO Meters shall be reported using the department's RMS system

4. REFERENCES:

- RAE Systems
- Maine BLS Directive

By Order Of:



Phil Selberg
Fire Chief