

## Abbreviated Instructions for MIE Model PDM-3

### 1. Check before using MINIRAM

- Make sure SUN SHIELD MOD. PDM-SNS is securely attached.
- Observe digital display: it should indicate OFF. If display is blank, press the OFF Key once, and after 5 seconds the display should then indicate OFF.
- Then proceed with zeroing which should be performed before every run.

### 2. Zeroing before using the MINIRAM:

- Place MINIRAM inside Z-Bag. Close zipper of Z-Bag. Plug black fitting of hand pump/ filter unit into red receptacle at corner of Z-Bag.
- Through the Z-Bag transparent wall press the ZERO key on the MINIRAM.
- Immediately start pumping repeatedly with the black hand pump, inflating the Z-Bag. Keep pumping gently until the display of the MINIRAM indicates OFF again (76 seconds after having pressed ZERO).
- Unzip Z-Bag and remove MINIRAM, IT is now ready for use

### 3. To run MINIRAM (monitoring/measuring)

- Press MEAS key (always starting from OFF on the display).
- Wait about 36 seconds after which MINIRAM will indicate concentration in mg/ m<sup>3</sup>, update every 10 seconds
- At anytime during a run, pressing the TWA key, the MINIRAM will indicate the time-weighted average concentration for the run up to present time. Pressing the TWA does not influence the run operation of the MINIRAM. As soon as the TWA key is released the display returns to the 10-second concentration indications.
- To terminate a run, press OFF key. MINIRAM will retain in memory the TWA value up to the time the OFF key was pressed. The last 7 such TWA values are always retained in memory and can be played back by pressing PBK key for more than two seconds (always starting from OFF display).

### 4. Battery recharging:

- If at any time MINIRAM display shows a small bar to the left of the BAT, the battery should be recharged for at least 12 hours. Only use charger supplied with MINIRAM.
- Allow MINIRAM battery to discharge completely before recharging: just leave it in MEAS until it shuts off automatically. Do not "top off" battery charge as that will reduce its capacity.