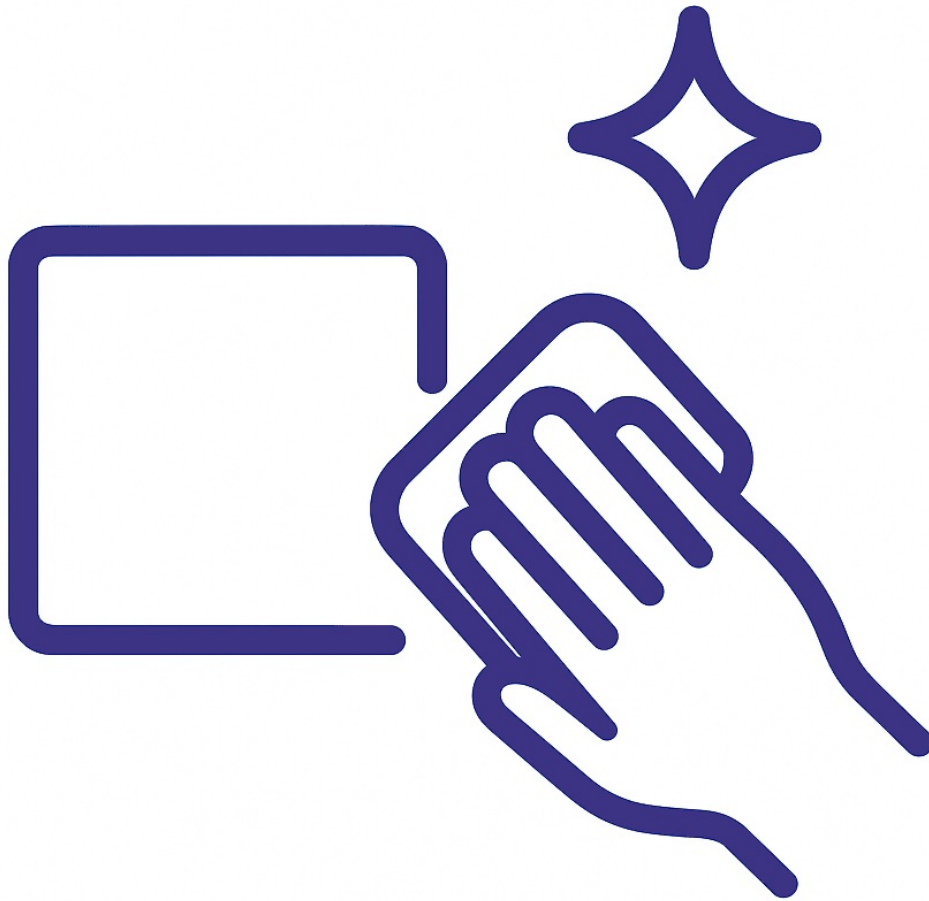




Cleaning and Maintenance - PMX

This guide shows how to clean a PMX sensor head to prevent accumulation of dust and clear out any errors.

Written By: Kyle Alberti



INTRODUCTION

The PMX should be regularly cleaned to prevent dust accumulation in the event a potentially flammable dust (e.g. coal dust) is measured at high levels. The frequency of cleaning will vary depending on the levels being measured.

This procedure should be carried out in a fume hood or location with adequate ventilation (e.g. outdoors) to prevent inhaling respirable dust.

Step 1 — Remove PM inlet



- Remove the PMX sensor head from the Ranger base
- Remove the PM inlet from the PMX sensor head by pulling the inlet out of the sensor head.

Step 2 — Attach compressed air tubing



- Attach a piece of 1/8in ID tubing to the barb inside the PMX sensor head.

Step 3 — Cleaning the PMX



- Blow low pressure compressed air through the PMX sensor head to remove any accumulated dust. Flow for ~10 seconds should be sufficient.

Step 4 — Reassemble the PMX



- Turn off the compressed air and remove the compressed air tubing from the PMX inlet barb.
- Reinstall the PMX inlet by pressing the inlet down onto the barb.
- Reconnect the PMX sensor head to the Ranger base and confirm the sensor is operating correctly.

For further support, contact Aeroqual Support.