

DXIV AirMetER Multiple Fraction Particle Monitor Installation Guide

AirMetER Series

HEATED INLET INSTALLATION GUIDE

Revision | March 2024



HEATED INLET INSTALLATION

- . Ensure the O-ring is installed on the heated inlet.
2. Feed the heated inlet cable through the adapter.

Note: The DXIV model will not have this cable.

Image

3. Push the heated inlet into the heated inlet adapter and pull the heated inlet cable all the way through the adapter to prevent it from getting caught.
4. Begin screwing the heated inlet clockwise while using the other hand to assist the heated inlet cable to twist around the tube adapter. This will be anti-clockwise if the heated inlet is facing away from yourself. Take care while screwing the heated inlet to not tangle the cable as this could cause damage to it. Ensure that the heated inlet is tightly secured within the adapter to prevent any moisture from entering gaps.

Image

5. Install the TSP head onto the top of the heated inlet. Ensure the heated inlet's grub screw is loose, and carefully push the TSP head towards the instrument whilst holding the tube adapter still to secure the heated inlet shaft to the tube adapter. Take care not to bend the tubing already secured to the tube adapter.

Image

6. Using a 2mm allen key, tighten the grub screws to ensure the heated inlet does not slide out of place and that the TSP head stays secured to the heated inlet.

Image

7. On the left side of the enclosure, plug the heated inlet cable into the plug secured to the side of the enclosure.

Note: This step is not required for the DXIV model.

Image

8. Verify that the flow rate is within: $2\text{L/m} \pm 5\%$ for DXII, $1\text{L/m} \pm 5\%$ for DXIV

Should the flow rate not be within this range, navigate to the flow rate calibration section of the user manual.

Image

CONTACT US

NEED HELP?

If you have any questions or require troubleshooting while using this guide, our team are here to assist you. Please feel free to contact us at any of the following means:

1800 000 744
engineeredolutions@airmet.com.au
www.airmet.com.au

Alternatively, scan the QR code to locate your nearest Air-Met Scientific office.

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AirMetER Series, DXIV, DXIV AirMetER Multiple Fraction Particle Monitor, DXIV AirMetER, Multiple Fraction Particle Monitor, Fraction Particle Monitor, Particle Monitor, Monitor

References

- [User Manual](#)

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