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BROOKFIELD AMETEK®

Instrumentation & Specialty Controls Division

JEROME®

Jerome® J405 Quick Guide

Remember to read the J405 user's manual for complete details on instrument operation, maintenance, and troubleshooting, to optimize the results and extend the life of the instrument. An up-to-date electronic copy of the manual can be found at: www.brookfieldengineering.com/downloads/computrac-and-jerome-downloads.

The Jerome J405 is easy to operate and ready for immediate use when you receive it. Follow these brief steps:

1) UNPACK: Remove the instrument from the packing material. Check for any damage and confirm receipt of all parts on your packing list.
Retain all packaging materials for future shipping needs.

2) POWER UP: Press the I/O button. The display should read 0.00 µg/m^3.
Note: It may be necessary to press [ESC] to clear any calibration reminders.

The battery icon will display the current battery level. If the battery icon is empty and flashing, it is necessary to charge the battery by connecting the J405 to AC power. See the manual for details.

3) BEFORE SAMPLING:
Sensor Regen: Perform a sensor regeneration by following these steps:
- Plug the line cord/AC adapter power supply or the external battery pack into the back of instrument.
- Press the RIGHT arrow button (▶) to enter the main menu.
- Press the DOWN arrow button (▼) to move the cursor to **Regen**.
- Press the RIGHT arrow button (▶) to select **Regen**.
- Press **[ENTER/START]** to select **Regen Now** on the REGEN menu.
- When prompted to confirm your choice, press **[ENTER/START]** to proceed, or **[ESC]** to cancel.
- Read the warning that appears, then press **[ENTER/START]** to proceed, or **[ESC]** to cancel.
- The instrument will begin the 45-minute regeneration cycle.
Do not interrupt this cycle. If any error message appears on the display, see the Troubleshooting section of the user's manual.

Clean Air System Check: The increased sensitivity of the Jerome J405 requires the replacement of the AG filter (AZI P/N: 600-0293) every 500 samples to ensure the accuracy of the readings.
- Take 5 samples with a Zero Air Filter (AZI P/N: Z2600-3905) inserted in the intake of the instrument. Readings should decrease with at least 3 of the 5 readings at 0.00 µg/m^3. For maximum accuracy, wait 15 seconds between samples to allow the sensor to restabilize.
- If readings are not 0.00 µg/m^3, then the internal AG filter (600-0293) needs to be replaced and a REGEN must be performed, followed by 20 manual samples. See the manual for details.

4) TAKING A SAMPLE: The instrument is designed for ambient air monitoring.

Note: For EPA clean-up levels less than 3 µg/m^3, it is necessary to run a warm-up routine with the Zero Air Filter before sampling. See the manual for details.

- For maximum testing accuracy and performance, allow the instrument to warm-up for 5 minutes before sampling.
- Press the SAMPLE button located at the end of the handle to start the 16-second sampling cycle.
  - **DO NOT allow the probe or the instrument's intake to come in contact with liquids.**
  - **Note that the instrument is not explosion proof.**
  - **DO NOT obstruct the intake or exhaust ports.**

5) STORAGE: After the day's use, perform another sensor regeneration.

Call Customer Service, or your Technical Sales Representative, at 800-528-7411 or 602-470-1414 or send an email to customerservice.jerome@ametek.com if you have any questions.