



MAINTENANCE SHEET

Adjustment of an ALMA measuring system equipped with a UNI-2

FM 8512 EN A
www.alma-alma.fr

The verification seals have to be broken by authorized personnel only



MODIF: Return to previous menu. Increment the flashing figure



SELECT: Choose the menu options. Select the next digit



VALID: Validate



Reset

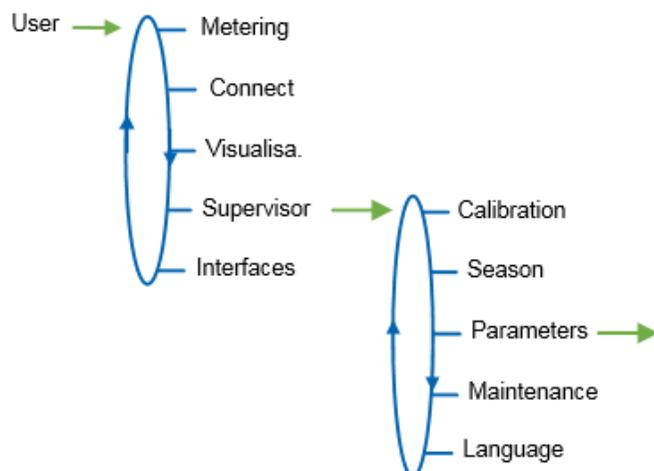
1 RECORD THE CONFIGURATION PARAMETERS



Before any intervention, record the configuration parameters. Three process are available.

Manual process

- The UNI-2 displays alternately the product and the volume.
Press MODIF
- Choose the menu Supervisor, valid
- Choose the menu Parameters, valid



- Write down the parameters values
- Press MODIF to return to the main menu.

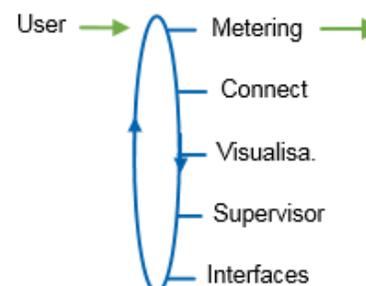
Automatic process with the CTD+: See GU 7110

Automatic process with the INSIDE app: See MU 7094

2 VOLUMES MEASURES AND COEFFICIENTS CALCULATION

The volumes measures must be done according to the rules described into the specific instruction relating to the verified measuring system.

- Choose the menu Metering to perform the tests, valid





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The UNI-2 displays alternately the product to be loaded and the volume in liters (null). The volume automatically increases as soon as the liquid flows.

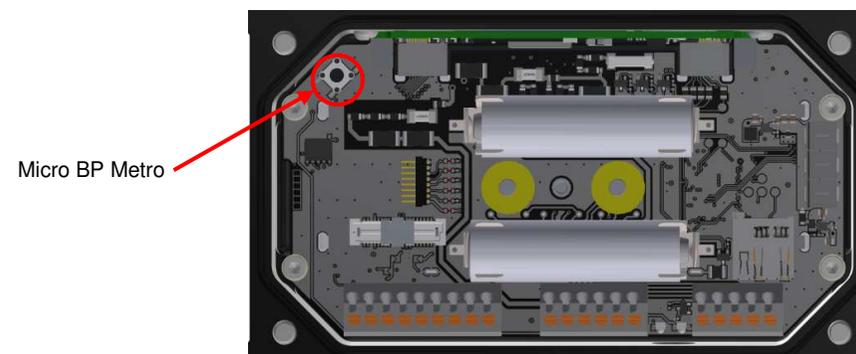
- Record the volume read on the calibration mean and the temperature as required by the instruction
- Apply the temperature correction to the volume
- When the loading is finished, press RESET
- Press MODIF to return to the menu Supervisor
- Choose the menu Calibration, valid
- L'UNI-2 displays the volume, valid

The UNI-2 displays the measured volume (in tenth of a liter): e.g. 1000.1 L

- If required, enter the temperature-compensated volume. Valid
- The UNI-2 displays the error related to the volume: e.g. 0.02%. Valid
- The UNI-2 displays the new coefficient. Write it down and press MODIF
- Choose the menu Average flow, valid. Write it down. Press MODIF to return to the menu Supervisor
- Return to §2 and do the low flowrate test with $Q_{min} \ll Q \ll 1.5 \times Q_{min}$

3 INTEGRATION OF RESULTS

- Open the UNI-2 (4 hexagonal screws)
- Enter the METROLOGICAL mode by pressing the button shown below



- Choose the menu EM, valid
- Choose the menu Coefficients, valid
- The UNI-2 displays Coeff 1. Valid to access data entry
- Set the coefficient related to the high flowrate test. Valid
- Press SELECT to display Flowrate 1, valid
- Press SELECT to display Kv 1
- If required, set the correction coefficient, valid



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- Set the flowrate of the measurement in m³/h, valid
- Press SELECT to display Coeff 2, valid
- Set the coefficient related to the low flowrate test. Valid
- Press SELECT to display Flowrate 2, valid
- Set the flowrate of the measurement in m³/h, valid
- Press SELECT to display Kv 2
- If required, set the correction coefficient, valid
- Exit the METROLOGICAL mode by pressing the Micro BP Metro

The UNI-2 reboots

- Control the recording of the new coefficient in the menu Supervisor>Parameters

4 FOLLOW THE PROCEDURE BELOW TO CLOSE THE UNI-2YYY

- The ring must be replaced properly. Lubricate it, if necessary
- Put a new 2g dehydrating packet – silica gel in the box



WARNING: RISK OF IRREVERSIBLE DAMAGES TO THE SCREEN

Close the box without damaging the wires

- Make sure the wires don't get caught between coils or batteries and the body of the turbine
- Make sure the wires don't get caught between batteries and their holding foam