


## 1. SETTING OF THE MAGNETIC GAUGE SABRE

- Put the magnetic gauge sabre in a vertical position.

## 2. PRELIMINARY VERIFICATIONS

- Prior to any use, make sure:
  - The **green ON** indicator is lit
  - The **red +** indicator and the **orange -** indicator are not lit

 If it's not the case, the gauge sabre can't be used.

## 3. MANLID PREPARATION

- On the compartment manlid, remove the plug from the gauge tube nozzle.
- Make sure the bore is not clogged, especially the bottom surface.

## 4. PRESENTATION OF THE MAGNETIC GAUGE SABRE

- Put the graduated ruler into the gauge tube.
- Put the guide into the nozzle with its tab into the positioning hole.
- Tighten the locking nut
- Loosen the blocking knob

## 5. POSITIONING THE MAGNETIC GAUGE SABRE

- Move down the ruler by positioning the box on the tank center line. Three centimeters above the liquid level, the **red +** indicator lights up, it turns off when the level is reached. Keeping moving down the ruler makes the **orange -** indicator light up, so move up to turn it off.

## 6. FASTENING THE MAGNETIC GAUGE SABRE

- When both indicators are turned off:
    - Tighten the blocking knob,
    - Loosen the locking nut,
    - Remove the gauge sabre,
    - And then plug back the nozzle.
- Read the ullage value on the ruler in front of the mark related to the product in the compartment.
- To read the ullage value, use the mark *GASOLINE* for petrol or equivalent products or the mark *HEATING FUEL-DIESEL* for fuel or diesel.

## 7. VERIFICATION OF THE MAGNETIC GAUGE SABRE ACCURACY

When the compartment is empty, the float is at rest, in a fixed position that is known and written in the strapping table. The ullage can be measured and compared to the value given by the strapping table.

Deviation must be greater than or equal to +/- 2mm.

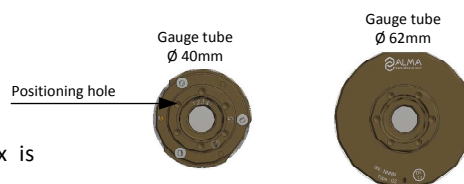
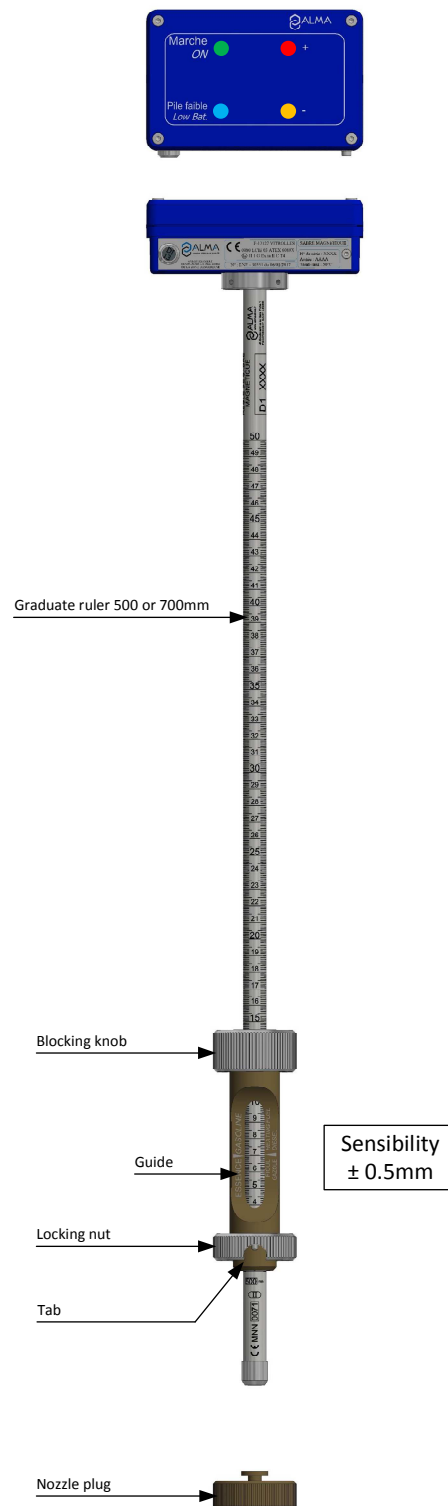
## 8. MAINTENANCE

Replacement of the battery:


- If the **blue Low Bat.** indicator is lit and/or if the **green ON** indicator remains off, battery has to be replaced. Batteries must be changed in a non-explosive area.
- Batteries required for use in potentially explosive areas:
  - Lithium ULTRALIFE
  - Procell PC1604 6LR61

Failed magnetic gauge sabre must be sent back to ALMA.

During maintenance operations, replace the gaskets each time the electronic box is opened.



## MEANING OF SYMBOLS

-  Action by operator