



OPERATING GUIDE MAGNETIC GAUGE SABRE

GU 7107 EN B

www.alma.alma.fr

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** 'Marche' indicator is lit,
- The '+' **red** and the '-' **orange** indicators 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 'Supers-Supers' for petrol or equivalent products or the mark 'Fioul-Gazole' 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 'Pile faible' **blue** indicator is lit and/or if the 'Marche' **green** indicator remains off, battery has to be replaced (alkaline or lithium 9V-batteries).

Batteries must be changed in a non-explosive area. Batteries required for use in potentially explosive areas:

- Alkaline battery DURACEL ULTRA 6LR61
- Alkaline battery DURACEL ULTRA M3 6LR61
- Alkaline battery ENERGIZER 6LR61
- Lithium battery ULTRALIFE
- Lithium battery SONNENSCHNEIN

Failed magnetic gauge sabre must be sent back to ALMA.

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



Graduate ruler

Blocking knob

Guide

Locking nut

Tab

Nozzle plug

Sensibility
± 0.5mm

Positioning hole

MEANING OF SYMBOLS

✎ Action by operator