

# Magnetis



MAGNETIS is designed to be easy to use and to be as light as possible.

It is composed of a reinforced ABS plastic casing to give it a good sturdiness. A cover gives direct access to the dry cell (9 V type 6F22). A clip allows to hang MAGNETIS at the belt or to carry it in the pocket. The probe is fixed in a flexible way on the casing in order to avoid the transmission of possible mechanical shocks. The Hall probe is of small dimension and its active area is placed close to the external face of the probe. Reading is in A/m (or in mT on request, for the measurement of the residual magnetic flux)

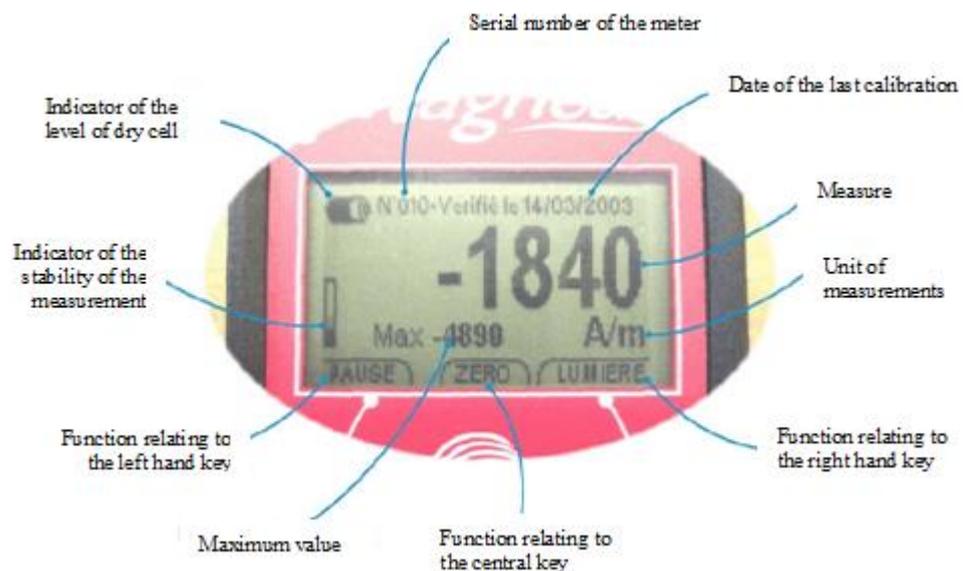
## OPERATION:

The use is extremely simple: Power On/Off is carried out by pressing the central key. After 3 minutes of running, MAGNETIS is automatically switched off.

A short pressure on the central key allow to set zero. This setting must be done by placing horizontally, away from any magnetic mass and in the east-west direction to avoid to take into account the magnetic field of the Earth which may reach the value of +/- 40 A/m.

The measure itself is carried out by placing the face of the probe in contact with the component and by reading the residual magnetic field on the display. MAGNETIS keeps in memory the maximum value.

The conformity of the measure is checked at the manufacturing stage against a solenoid itself periodically calibrated by the French Laboratoire Central des Industries Electriques.



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## TECHNICAL DATA:

### Characteristics of detection

- Probe: Hall probe SS495A
- Range: From - 47 000 to 47 000 A/m
- Résolution: From 0 to 100 A/m: 1 A/m  
> 100 A/m: 10 A/m

### Environmental and mechanical characteristics

- Dimensions: Unit:  
120 mm x 65 mm x 22 mm (probe not included)  
Probe:  
ø 10 mm x L 27,5 mm
- Weight: 180 g with dry cell
- Casing: Reinforced plastic ABS
- Humidity & Dust tightness: IP 64

### Electrical Characteristics

- Electromagnetic compatibility: conform to EN 61326 Ed.97 + A1 Ed.98 + A2 Ed.01
- Power: Dry cell 9 V (PP3/ 6F22 / 6LR61)
- Consumption: 17 mA
- Operating time: 30 hours (without backlight)

SREM Technologies may deliver the certificates of calibration using transfer standards directly traceable to national standards (COFRAC)



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AFNOR CERTIFICATION

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