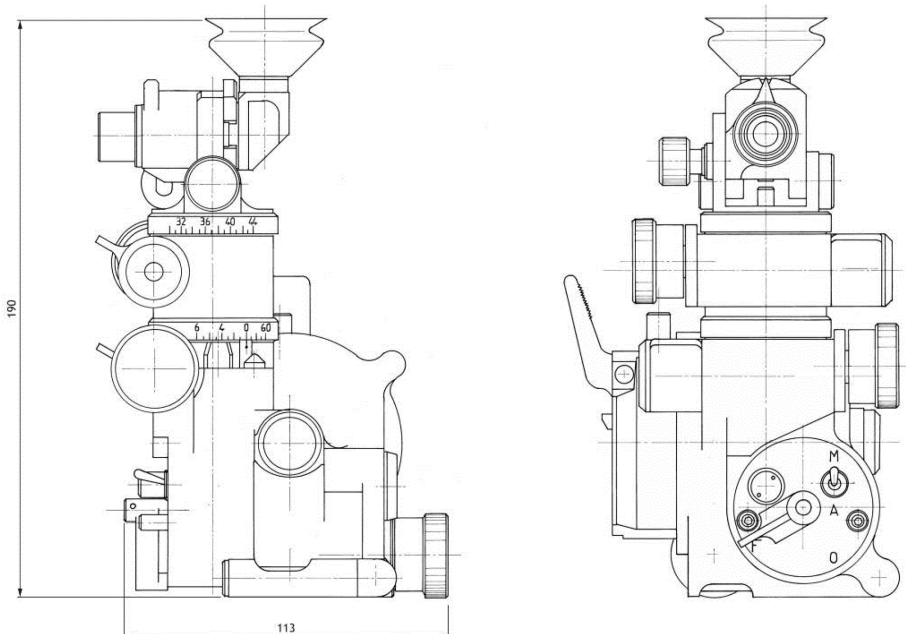# Sighting Goniometer
GP2M F1

SCROME

Robust & compact Goniometer

- Adaptative optical sighting

- Integrated Tritium-free multi-point illumination

- Field qualified for 2,500 rounds of 18Kg shells

The GP2M F1 sighting goniometer has been developed to equip 81mm LLR F1 mortar used in the French Armed forces. It enables daytime and nighttime sighting of the mortar in both elevation and azimuth. This two-stage Goniometer helps to maintain the origins of the spotting. Its compact size enables it to remain attached to the mortar throughout the firing sequence. All reading points are illuminated without Tritium in compliance with European regulations.

1. Dimensions and characteristics

Magnification	2
Dimensions (mm)	212 x 120 x 120
Mass	1240g
Sight Accuracy	± 2 m̂
Bearing Accuracy	± 1 m̂
Spotting and firing tracking movement	6400 m̂
Field	150 m̂
Scope elevation travel	-30° to 45°
Objective lens diameter	8 mm
Eyepiece lens diameter	8.2 mm
Elevation resolution	1 m̂
Windage resolution	1 m̂
Parallax adjustment	≤ 0,2 δ
Illumination power supply	2 AA batteries
Sight Harmonization	1 m̂
Slope Harmonization	0,3 m̂
Finder	± 5 m̂
Sight movement travel	-150 to +1650 m̂

2. Performance

Endurance: 2500 rounds in 18 kg shells
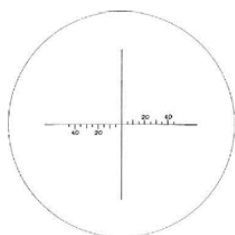Tightness: according to French standard GAM EG 13 Code 1
Eye Protection in KG3

Temperature:

In operation: – 31°C to + 51°C
Storage: – 46°C to + 70°C

3. Reticle

The scope is set to infinity without parallax and is equipped with a reticle engraved with a cross graduated every 10 ḿ on the horizontal axis and thicker vertical in part to improve night vision.

D05_3282

4. Mounts

The sighting goniometer is mounted directly on the mortar's dovetail mount.

5. Accessories

The Sighting Goniometer is shipped in a composite or polyethylene case with foam inserts and the following accessories:

- Power supply cable
- 1 Replacement bulb
- Slipcover
- Instruction Manual
- Cube corner (optional)

HIGH PERFORMANCE
OPTO-MECHANICAL
AND MILITARY OPTRONICS

SCROME