

# PEARL

## Weapon Mounted Acoustic Gunshot Detector



Metravib

ACOEM Group



### Smart Solution for soldier protection

**METRAVIB PEARL** is a miniaturized acoustic gunshot detector initially designed for infantry and dismounted soldier who is in direct contact with the enemy. PEARL provides the capability of finding in a few seconds and in a very intuitive way the origin of the shots that are threatening them.



### ACCURATE FOR QUICK DECISION AND RESPONSE

- Instantaneous detection and localization of incoming shots
- Indicates target position with **Azimuth** and **Elevation** thanks to direction LEDs
- Fire location accuracy (RMS):  $\pm 7.5^\circ$  for Az and El

### EASY TO USE, COMPACT AND ROBUST

- No calibration required and built-in test
- No cables, embedded processing unit
- Only three buttons
- MIL-STD compliant

### PERFECT FOR OPERATIONS

- Works on all terrains, including urban and mountainous
- Filters outgoing and friendly fire
- Lightweight and high autonomy (uses commercial AA batteries)
- Tracks target location after user has moved from initial shot



### INTEROPERABLE

- Can be mounted on any rifle or other platform through a Picatinny rail
- Can provide extensive shooter data (range & caliber) for observation & firing systems, and ballistic computers via RS serial output

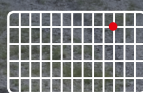
## How does acoustic gunshot detection work?



**MUZZLE BLAST**  
Direction  
of the shot origin



**SHOCK WAVE**  
Shot Alert



#### PILAR Vehicle and Helicopter Version

- Azimuth, Elevation, Range
- Caliber Identification
- GPS Coordinates of the shot origin (vehicle only)

#### PEARL Soldier Version

- Azimuth, Elevation

#### PILAR Ground Version

- Azimuth, Elevation, Range
- GPS Coordinates of the shot origin
- Cartography shot overlay

### METRAVIB PILAR IS IN SERVICE IN 25 COUNTRIES

France, USA, UK, Germany, Turkey, Australia, Italy, South Africa, Tunisia, Norway, Indonesia, Belgium, Poland, Denmark, Singapore, Slovakia, Czech Republic, Brunei, Romania, etc.



**COMBAT PROVEN:** 20 years of operational feedback to enhance our products: Balkans, Iraq, Afghanistan, Central African Republic, Mali

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