

Thermal Beacon

The bright signal



Thermal Beacon MS-OMR (Multi Spectral, Omni, Medium Range)

General

The Thermal-Beacon is an innovative and unique infrared emitter, radiates in the thermal spectrum (most efficiently at 3-5 micron) and does not emit radiation in the visible or the near infrared region. It is used as an identification device in the thermal spectrum region, for use with people, vehicles, yachts, pilots, police SWAT teams, SAR, emergency services and mountain rescue teams.

The MS (Multi Spectral) version allows the user to control the spectrum of radiation from the following:

- Only thermal region (for thermal cameras)
- Only near infrared region (for image intensifiers and SLS)
- Both thermal and near infrared regions simultaneously.

Specifications

- Performances:
Recognition ranges: 4 km (using 3-5 micron camera with InSb detector and 250mm lens)
and 10 km (using night vision goggles)
Radiation divergence: omni directional (2π strad)
- Electrical:
Voltage: 9-18 VDC
Average current consumption: less than 300 mA @ 12 VDC
Battery lifetime > 3 hours
- Physical:
Construction: black anodized aluminium
Dimensions: emitter unit $\phi 54\text{mm} \times 20\text{mm}$, battery unit $\phi 25\text{mm} \times 140\text{mm}$
Weight: emitter unit 150 gr.
- Environmental Conditions: according to MIL-STD-810E (consult manufacturer for spec.)



MS-OMR



Personal Battery Unit (PBU)