



THE O'GARA GROUP
SENSOR SYSTEMS DIVISION

NORTH STAR

COMBAT IDENTIFICATION BEACON



ULTRA COMPACT BEACON TECHNOLOGY

- Covertly mark blue force personnel, vehicles, DZs, LZs, etc
- Tag, Track, and Locate red force personnel, vehicles, etc
- Ensured excellent long range visibility, day & night
- Available in several different wavelengths
- Spring clip, tie down tabs, and magnetic attachment options



OPERATIONAL CAPABILITIES

The North Star is a miniature laser beacon powered by a single 123 battery. Use it to covertly mark personnel, vehicles, or hard targets for either combat ID / IFF or tagging and tracking purposes. Multiple North Stars can be synchronized to flash in unison. It is available with up to 250 mW of optical power making it visible directly for more than 30 km and indirectly (reflected off the ground) for over 3 km.

- IFF & DZ/LZ – Covertly mark blue force personnel, vehicles, DZs, LZs, etc.
- TTL – Tag and track red force personnel, vehicles, etc. in rural and urban environments.
- High optical output and synchronous flashing ensure excellent long range visibility, day & night.
- Available in several wavelengths including 850 nm and 1064 nm.
- Miniature package with a spring clip, tie down tabs, and neodymium magnets.
- On-board microprocessor allows for the programming of custom flash patterns.



PHYSICAL FEATURES

Batteries:

(1) 123 lithium battery

Run Time:

24 hours

Dimensions:

53mm (2.1in) x 25mm (1in) x 20mm (0.8in)

Weight (with Battery):

49g (1.7 ounces)

OPTICAL PERFORMANCE

Wavelength:

850 or 1064nm

Maximum Optical Power:

250mW

Optical Divergence:

80° FWHM

Detectable Range:

~30km

ENVIRONMENTAL SPECS

Operating Temperature Range:

-20°C (-4°F) to 50°C (122°F)

Storage Temperature Range:

-40°C (-40°F) to 80°C (176°F)

Environmental:

MIL-STD-810F

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