Monitoring moored buoys or tracking oil slicks is an easy job with the Argos-GPS MAR-GE/T tracker. Compact and flexible, with its integrated GPS data logger, this equipment can report up to 96 accurate positions daily. Robust and very easy to install, the device offers a long autonomy and simple maintenance.

**FEATURES**

- Easy to use and self-contained
- **Floatable**: designed to drift
- Global satellite coverage (ARGOS)
- High Autonomy*:  
  - up to 450 days in operation
  - more than 5 years in storage
- Compatible with ArgosWeb Mapping interface for drifting monitoring
- Compatible with ARGOS Geofencing services (incl. alerts)

**CAPABILITIES**

- **Built-in GPS receiver for accurate positionning**
- Extra ARGOS positionning (incl. speed and heading)
- **LED indicator** for operations control
- Battery options: rechargeable or disposable
- Robust all-in-one design for marine environment
- Configurable GPS acquisitions & transmission rates, etc.

*Autonomy of the units depends on the configuration, the environmental conditions and can be affected by ageing and maintenance quality.
### Mechanical specs.
- Diameter (max.): 134 mm
- Height: 280 mm
- Weight: 1.0 to 1.3 Kg (depends on the battery type)

### Environmental specs.
- Operating Temperature: -20 °C to +50 °C
- Storage Temperature: -25 °C to +70 °C
- Water Resistance: IP67 Certified (immersion up to 1m)

### Power
- Rechargeable batteries: NiMH 4.5 Ah
- Non-rechargeable batteries: Lithium 26 Ah or 38 Ah

### Autonomy
- Storage: > 5 years in optimal conditions (5-30°C)
- In Operation:
  - NiMH 4.5 Ah: .......... 30 days
  - Lithium 26 Ah: ........ 150 to 250 days
  - Lithium 38 Ah: ........ 250 to 450 days
- Performances depend on ARGOS transmission settings.

### Data Transmission
- Satellite System: ARGOS
- Coding: Binary
- Transmission Period: 30 to 240 s (configurable by CLS)

### RF specs.
- Transmitter type: CNES certified ARGOS Transmitter
- Output RF Power: 32 dBm (1.5 W)
- Output Frequency: 401.650 MHz ± 30 kHz

### GPS
- Receiver type: Fastrax IT500
- Acquisition period: 15 / 30 / 60 min
- Precision: 1 to 100 m (configurable by CLS)

### Deployment
- From Vessel: Up to 30 m shockproof
- Air-borne (helicopter): Up to 30 m shockproof

---

**Contact**

Environmental Monitoring
Email: en@clsamerica.com
Tel: +1 (301)-925-4411
Fax: +1 (301)-925-8995

**CLSA Office**

CLS America, Inc.
4300 Forbes Boulevard, Suite 110
Lanham, MD 20706, USA
Web: www.clsamerica.com

---

The MAR-GE/T is **100% compatible** with the CLS RXG-134 Goniometer, designed to easily recover ARGOS platforms out in the field.

**STORAGE & TRANSPORT**

The MAR-GE/T buoys can be delivered in a specifically designed rugged, watertight and crushproof Pelicase®.