

# MAR-GE/T GPS TRACKER

ENVIRONMENTAL MONITORING



**M**onitoring 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.

## CAPABILITIES

- ✓ 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)



## FEATURES

- ✓ Built-in **GPS receiver** for accurate positioning
- ✓ Extra **ARGOS** positioning (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.

## DESIGNED FOR :

- ✓ Marine equipment monitoring
- ✓ Oil Spill tracking
- ✓ Current/drift studies

## OIL-SPILL / CURRENT TRACKING



## MOORED BUOY MONITORING



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
	<i>Performances depend on ARGOS transmission settings.</i>	<i>Estimates based on GPS acquisition: 1fix/h</i>
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 (1.5W)
	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

## PLATFORM FINDER



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®.

## Contact

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