

SHIP TERMINAL THORIUM

long range identification & tracking (LRIT)

Maritime Security



FEATURES

TRACK FOR LRIT

- GPS position report sent at regular intervals (every 24h, 12h, 6h, 3h, 1h, 30 minutes, 15 minutes).
- On-demand GPS position (polling)
- Transmission time less than 5 minutes (95%)

REMOTELY CONTROLLED BY THE ASP

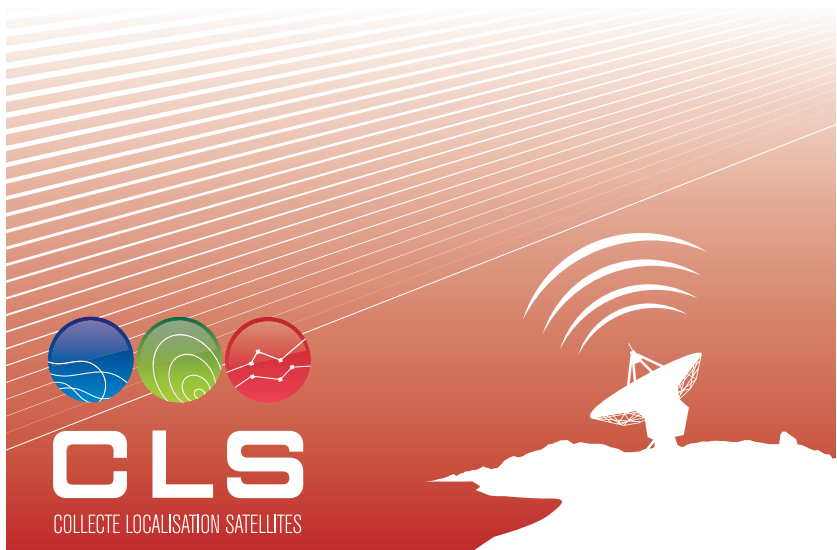
- Modify transmission intervals
- Read positions stored in internal memory
- Read technical status

TYPE APPROVAL

- Type approved for LRIT by Bureau Veritas (certificate 21185/10 MMF for regulations : SOLAS 74 as amended, IMO MSC Res. 263(84), IMO MSC.1/Circ.1296 (updated IMO MSC.1/Circ.1257), IEC 60945(2002), IEC61162.

ADDED SERVICE

- Fleet tracking option (reporting interval defined by contract with CLS)
- Speed and heading transmitted upon request
- Optional interface with a data terminal or laptop PC for email transmission



PHYSICAL CHARACTERISTICS/PROPERTIES*

THORIUM
CLS PRODUCT

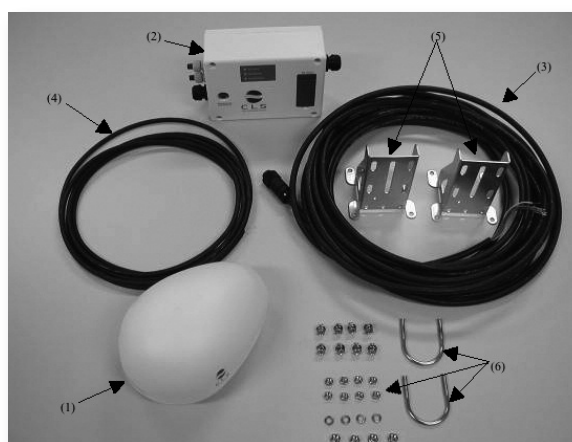
Dimensions (H x W x L)	Dome: 212 mm x 151 mm x 117 mm Junction Box: 184 mm x 144 mm x 72 mm
Weight	Dome: Less than 1,200 g (without bracket) Junction box: Less than 500 g
Junction box	Data Terminal Equipment or mini-laptop interface (9-pin D-sub connector) (Tx, Rx, Control, GND) 9800 bps
Display	LED displays battery voltage, reception of text messages
Audible alarm/Buzzer	Activated when beacon is not functioning properly
Waterproof	Dome: IP68 Junction box: IP54
Temperature	Operating temperature: -20° to +50°C Storage temperature: -20° to +65°C
Power supply voltages	DC 12 V or 24 V (DC 10 V to 48 V)
Internal battery	72 hours
GPS	12 channels
Environment	IEC 60945 Compliant
Tamperproof	1. Tampering detector if transceiver is dismounted 2. Tamperproof screws 3. Tampering detector that generates a warning message when the dome is opened

* Characteristics are subject to change without prior notice

SUPPLIES

- 1 Dome
- 1 Junction box
- 1 DC/Signal cable (15 m, more on-demand)
- 1 Power supply cable (5 m, more on-demand)
- Brackets
- U-bolts and nuts

Manufacturer : Kenwood, Japan



USE OF THORIUM

Contact CLS at www.lrit.fr for installation and test of the terminal.