

LRIT



Long Range Identification and Tracking System



The sturdiest LRIT solution
for Sea Area A3 and A4!

AERiUM™

LRIT

Long Range Identification and Tracking System

Long range Identification and Tracking ship borne equipment is now mandatory on all cargo, passenger and offshore drilling vessels. LRIT is to improve maritime security, safety and to increase maritime domain awareness.

LT2001-LRIT device integrates Iridium communication modem to provide worldwide coverage as stated in IMO regulation MSC.210(81)4.3, with low latency, high reliability and above all confidential transmission of LRIT data. Vessel with LT2001-LRIT device on board will automatically transmit its identity, position, time and date every 6 hours by default, to as often as every 15 minutes.

The LT2001-LRIT comes as complete kit with its mounting accessories and up to 50m connection cable length. With standard accessories it can be very easy installed on every roll bar from 3/4" to 2 1/2". Because of highly demanded environment and market LT2001-LRIT can be bought in standard aluminum or stainless steel version.

PHYSICAL & ENVIRONMENT

Material	ALU - 6082 marine grade (RAL1010 white color) INOX - AISI 316L (native)
Dimensions	Tube 76 x 220 mm (diameter x height)
Weight	ALU - 430g, INOX - 980g
Temperature	Operating from -35°C to +70°C
Ingress protection	IP66, IP68
Mounting	50m marine grade cable with mounting kit

ELECTRICAL

Power supply	+12V DC... +32V DC
Consumption	1.5W active no transmit, 10W peak power transmit

COMMUNICATION

Frequency range	from 1616 MHz to 1626.5 MHz
EIRP	1.6W power during transmit slot

GPS

Performance	50 channels, SuperSense® -160 dBm, GALILEO Open Service L1 frequency ready
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CONTROL & MONITORING

Interface	Asynchronous serial RS232, 19200 bps CAN 2.0B (optional on request)
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CERTIFICATION

IEC 60945 Environmental, IEC 60945 EMC, Iridium type approval, CE

COMPLIANCE

IMO regulations	MSC.210(81), SOLAS V19-1
LRIT performance standards	



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LT2001-LRIT

- » **worldwide coverage including sea area A3 and A4**
- » **rugged housing with state of the art antenna dome**
- » **easy installation on vertical or horizontal bars**
- » **provide worldwide coverage as stated in IMO**
- » **regulation MSC.210(81)4.3, low latency, high reliability**
- » **confidential transmission of LRIT data**
- » **automatically transmit ship's identity, position, time and date every 6 hours**

ORDERING INFORMATION

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Iridium communications system and IMO regulations