

CEP100 (EPIRB CLASS II)

406MHz Satellite EPIRB including a GNSS Receiver

CEP100(406MHz Satellite EPIRB) is used to alert search and rescue services on maritime.

CEP100 with a built-in GNSS receiver transmits distress alert signal including self position of below 50 meters accuracy using GEO Satellite. In distress, the signal is transferred to Rescue Coordination Center (RCC) without delay through Local User Terminal (LUT) so that Search and Rescue goes in quick action.

CEP100 is compact, robust, stylish and is formed to protect of a false alert.

CEP100 is designed to comply with IMO SOLAS requirements (GMDSS) and COSPAS-SARSAT technical standard (T.001).

CEP100 is low price than other EPIRBs using LEO satellite, even including a GNSS receiver.

CEP100 also transmits on 121.5MHz used for "homing signal".



406MHz
SATellite EPIRB
with Internal GPS

CEP100
FLOTE-FREE
CONTAINER

WARNING: Use only in situation of marine distress and imminent danger.

NOTICE TO PUBLIC: If found, DO NOT move, reset, modify or tamper with.

Manufactured by SRC Co., Ltd.
Busan, KOREA
www.oksrc.com



OPERATION

Automatic Activation
If vessel sinks, EPIRB will float free and activate automatically.

Manual Activation
Pull the pin from pole above. Detach cover and remove EPIRB. Follow instructions on manual.

WARNING

USE ONLY IN SITUATIONS OF GRAVE AND IMMINENT DANGER

Compass safe distance 1m
DO NOT clean with solvents
DO NOT paint

SRC

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General

Antenna	Vertical Whip (199mm)
Battery	Li/SOCI2 (+10.8V) non hazardous battery
Auto release	Term of validity : 2 years
Activation	Automatic and manual
Operating time	48 hours (or more)
Temperature	Operating (-20°C to +55°C) Storage (-30°C to +70°C)
Beacon size	400mm (Height with Antenna), 136mm (Diameter)
Weight	0.85kg
Container size	177(W), 150(H), 420(L)
Strobe light	White LED (20 flash / min)
Standard	COSPAS-SARSAT T.001, IEC 61097-2, IEC 60945

406 MHz TRANSMITTER

Frequency	406.037 MHz \pm 2ppm
Output power	5W \pm 2dB
Modulation	Phase modulation 1.1 + 0.1 rad
Stability Short term	$\leq 2 \times 10^{-9}$
Medium term	$\leq 10^{-9}$
Residual variation	$\leq 2 \times 10^{-9}$
Bit rate	400 bits/s
Message type	Long message

121.5 MHz TRANSMITTER

Frequency	121.5MHz \pm 10 ppm
Output power	Up to 60 mW
Modulation	Sweep tone from max 1100 Hz to min 400 Hz

GPS Receiver

Type	Built-in Ceramic dielectric patch antenna
Center frequency	L1-1575.42MHz
Satellites tracked	12
Position acquisition time	Less than 3 min at start-up
Position update	every 2 min

