

PYROTECHNICS



LINETHROWER



Applications

For use as pilot line for cables and ropes in rescue operations at sea: between vessels, ship-to-shore, shore-to-ship, and shore based rescue services.

Design and function

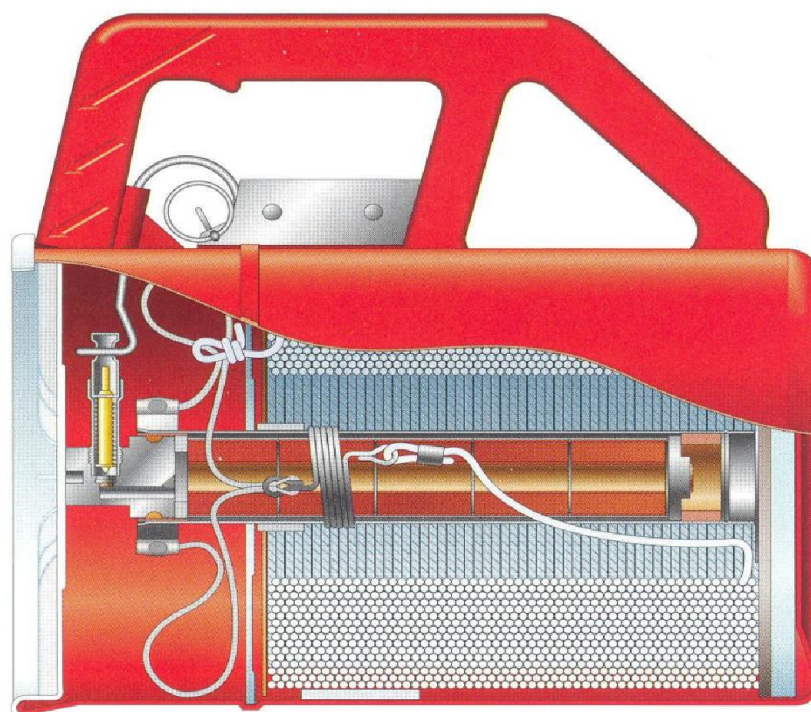
A robust construction consisting of a weatherproof plastic casing, incorporating an integral handle and trigger mechanism, with a solid fuel rocket and 300m of line. A solid propellant is used which guarantees a highly accurate flight path even in strong winds. To comply with SOLAS requirements, four complete rocket and line assemblies should be carried on board.

General

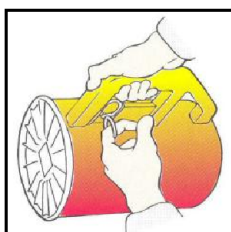
The IKAROS Linethrower is approved globally and meets the latest SOLAS 74/96 regulations. To comply with SOLAS requirements, four complete rocket and line assemblies should be carried on board.

Specifications

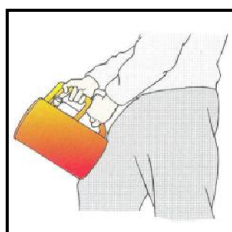
Product Code	: 1401100001
Performance	: Throws a line
Lenth of Line	: 300m 4mm X 300m
Line Strength	: 2000N
Storage Temperature	: Should not exceed +75°C
Dimensions	: 340 X 230mm
Weight	: 4 kg
Validity	: 3 years



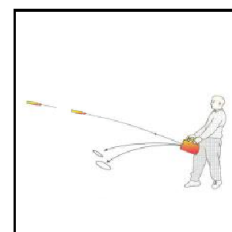
Directions for use



Remove safety pin.



Keep arrows on the line-thrower parallel to the deck/ground. Press the line-thrower against your thigh.



Pull trigger.

MAN-OVERBOARD LIGHT AND SMOKE



Applications

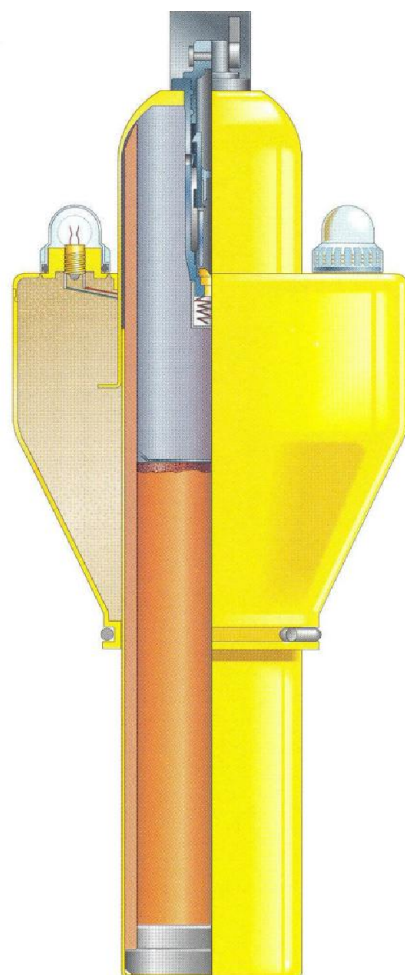
Used to mark the position of a man overboard by day or night. Ships are required to carry 2 markers, one mounted on each bridge wing with the brackets supplied and attached by line to a 4kg Lifebuoy.

Design and function

A combined day and night marker which produces dense orange smoke for 15 minutes and 2 hours of light. It comes with a lithium battery sealed for life.

General

The IKAROS MOB is a compact Lifebuoy marker that is approved globally and meets the latest SOLAS 74/96 regulations.



SPECIFICATIONS

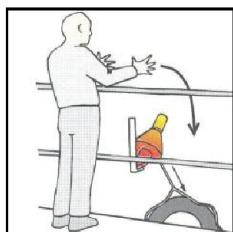
Product Code	: 1411100001
Light Luminance	: 2 cd
Lights burn time	: 2 hours
Smoke time	: 15 min
Storage Temperature	: Should not exceed +75°C
Dimensions	: 200 x 500mm
Weight	: 4.6 kg
Validity	: 3 years

Directions for use

Method 1

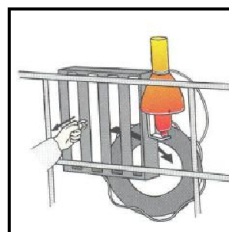


Remove lifebuoy.

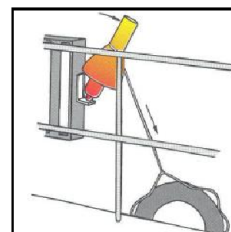


Throw lifebuoy overboard.

Method 2



Pull out lock pin.



Lifebuoy pulls the signal with it.

PARACHUTE ROCKET



Applications

A day or night long-range distress signal may be carried on ships bridge and 4 are required to be fitted in ships lifeboats and liferafts.

Design and function

The launching tube has clear instructions and a non-slip surface to ensure safe operation even when launched with one hand. The IKAROS parachute rocket is water proof and can be held under water in the ready to fire position.

General

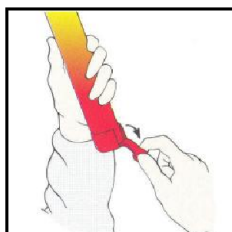
The IKAROS parachute rocket was introduced in 1959 and the same design is now used by most manufacturers around the world. The IKAROS original is the leading parachute rocket with quality and performance that meets the highest demands on function and safe operation. The IKAROS parachute rocket is approved globally and meets that latest SOLAS 74/96 regulations.



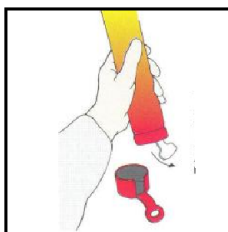
SPECIFICATIONS

Product Code	: 1412100001
Height of launching	: 350m
Flare inminance	: 30,000 cd
Flare time	: >40s
Storage Temperature	: should not exceed + 75°C
Validity	: 3 years
Dimensions	: 277 X 47mm
Weight	: 345 gm

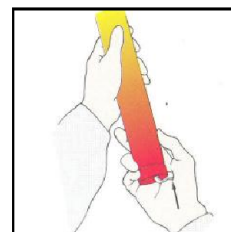
Directions for use



Remove bottom lid.



Trigger falls down.



Squeeze trigger against outer casing.

RED-HAND FLARE



Applications

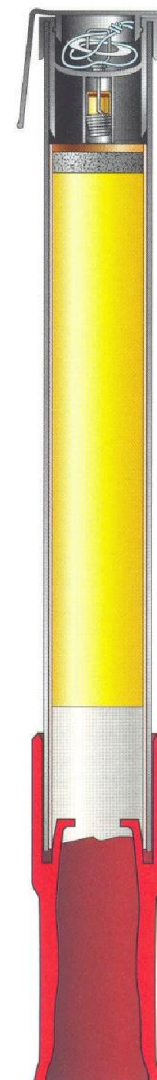
A day or night short-range distress signal used to pinpoint position. Maybe carried on ships bridge and six are required to be fitted in ships lifeboats and liferafts.

Design and function

The case is made of corrosion-resistant steel and is designed to withstand exception environmental exposure, and to perform reliably even after immersion in water.

General

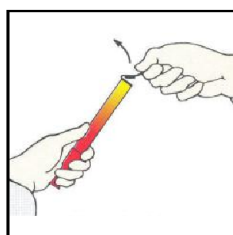
The IKAROS Red Handflare is designed to give maximum output in a minimum size. It is approved globally and meets the latest SOLAS 74/96 regulations.



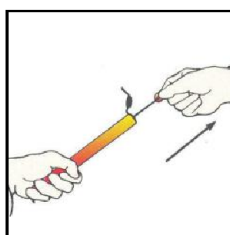
SPECIFICATIONS

Product Code	: 1421100001
Luminous Intensity	: 15,000 cd
Flare time	: 60s
Storage Temperature	: should not exceed + 75°C
Validity	: 3 years
Dimensions	: 243 X 30mm
Weight	: 235 gm

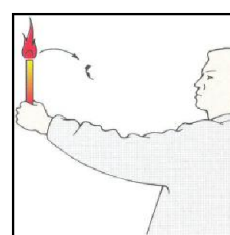
Directions for use



Open the lid.



Pull the loop. The flare ignites after 2s delay.



Hold the flare in your hand.

BUOYANT SMOKE



Applications

For daylight distress signalling purposes on ships, lifeboats and liferafts. It provides effective position marking during rescue operations and can be used to indicate wind direction.

Design and function

The case is made of corrosion-resistant steel and produces a dense smoke for a minimum of 3 minutes.

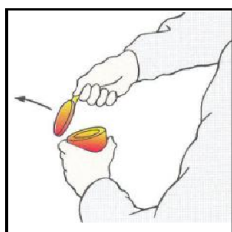
General

The IKAROS Buoyant Smoke Signal is approved globally and meets the latest SOLAS74/96 regulations.

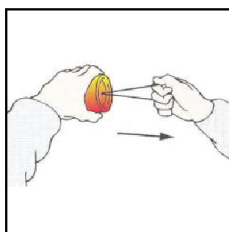
SPECIFICATIONS

Product Code	: 1431100001
Smoke Time	: 3 min
Smoke Colour	: Orange
Storage Temperature	: should not exceed + 75°C
Dimensions	: 95 X 101 mm
Weight	: 510 gm
Validity	: 3 years

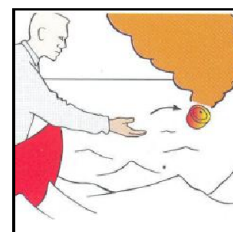
Directions for use



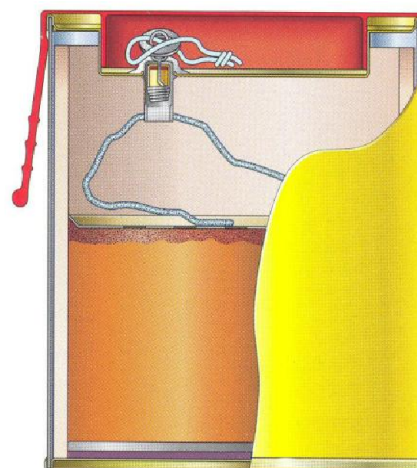
Remove the lid.



Pull the loop.



Throw the signal into the water.



WARNING :

- Keep out of reach of children
- Only for emergency use at sea
- If damaged or dented do not use
- Do not dismantle
- Keep away from source of heat
- Do not use after expiry date

DISPOSAL :

- Pyrotechnics must be treated as hazardous items and must be disposed of responsibly in accordance with local regulations. For help and advice, visit our website www.shmgroup.com

MAN-OVERBOARD CF4



SKU: 1411100005

SPECIFICATIONS

Light Luminance	: 2 cd
Lights burn time	: 2 hours
Smoke time	: 15 min
Storage Temperature	: Should not exceed +75°C
Dimensions	: 325 x 175 x 85mm
Weight	: 1 kg
Validity	: 3 years

The PyroPol ManOverBoard CF4 – SOLAS/MED approved – is a combined Light & Smoke Signal and especially designed for the connection with a lifebuoy for position marking by day and night and to indicate wind direction during rescue operations. Safe use even on petrol or oil-covered water.

The signal provides 15 minutes of dense orange smoke combined with a unique 360° LED light ring for all-around visibility!. The self-activated light has a minimum output of 2 candela for at least 2 hours.

It is automatically deployed – by releasing an attached lifebuoy – or can be manually activated.

Approved mounting height is 30 meters but the manufacturer tested and permitted up to 200 meters to qualify the ManOverBoard CF4 far beyond the traditional shipping for use on oil and gas rigs, offshore wind turbines and aircrafts.

The signal is designed to be “fit and forget” for its entire service life. A light test can be performed if required.

Para Rocket Red CF3 SOLAS



SKU: 1412100003

The Para Rocket Red CF3, – SOLAS –, approved to SOLAS/MED/USCG is designed to withstand even exceptional environmental conditions and to ensure reliable operation even after immersion in water. The firing pin and safe ignition from the bottom, the cold end of the rocket, and a low recoil ensure easy and safe handling. In addition ensures the twist stabilization for lower wind sensitivity. The rocket ejects a red flare at 350m, which burns for 40 seconds at 30.000 candela.

Required on the ship bridge and kept available on board the life boats and rafts. Recommended for all types of boats – whether for business or leisure.

SPECIFICATIONS

Height of Launching	: 350M
Lights burn time	: 40s
Color	: Red
Ignition	: Firing Pin
Dimensions	: 265 x 40mm
Weight	: 350g
Validity	: 3 years

Handflare Red CF3, SOLAS



SKU: 1421100002

The Handflare Red CF3 -SOLAS-, approved according to SOLAS, MED, USCG is designed to withstand even exceptional environmental conditions and to ensure reliable operation even after immersion in water. The ignition at the bottom of the handflare, the cold end of the handflare, by firing pin, guarantee safe and easy handling. The handflare is burning drip-free for 60 seconds at a light intensity of 15.000 candela. Due to its bright red glowing flame with very great luminosity offers the signal an optimal position marker even by day. After activating the hand flare, it continues to burn even underwater.

Required on the ship bridge and kept available on board of the lifeboats and rafts. Recommended for all types of boats – whether for business or leisure.

SPECIFICATIONS

intensity	: 15.0
Lights burn time	: 60s
Color	: Red, White
Ignition	: Firing Pin
Dimensions	: 230 x 30mm
Weight	: 60g
Validity	: 3 years

Handflare Red CF3, SOLAS



SKU: 1431100002

The PyroPol Signal Orange Smoke CF3, conforming to SOLAS/MED/USCG, is a compact, buoyant daytime orange smoke distress signal designed to be easy and safe to handle – even on oil or petrol covered water. It provides effective position marking during rescue operations and can be used to indicate wind direction, producing dense orange smoke for a minimum of 3 minutes.

Required in liferafts and lifeboats.

Recommended for all types of water vehicles – whether on business or leisure.

SPECIFICATIONS

Lights burn time	: 3 Min
Color	: Orange
Ignition	: Pull igniter
Dimensions	: 100 x 84mm
Weight	: 200g
Validity	: 3 years