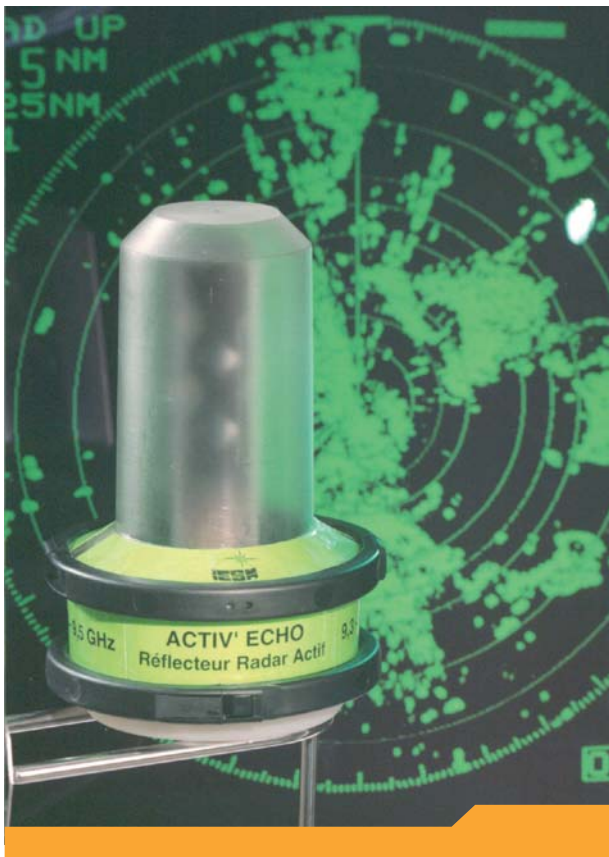


# ACTIV'ECHO

## Radar Reflector/Radar Detector



### For your safety at sea

**ACTIV'ECHO** is an active radar reflector that answers to any ship radar in the X band (9.3 to 9.5GHz) and indicates its presence to vessels in the vicinity. It makes visible any object with too weak an echo to be detected.

**ACTIV'ECHO** is also a radar detector that is very useful for solo sailing. It constantly monitors vessel radars sailing within close range.

A visual and loud alarm signal warns the skipper as soon as a radar signal is received.

Efficient range is a few miles with the antenna installed 2 meters high and an interrogating radar 15 meters high.

### Advantages

- ▶ **ACTIV'ECHO** IS SUITABLE FOR THE LEISURE AND PROFESSIONAL FIELDS



Emmanuel Coindre - World record to the oars

Credit: photo: CORBIS

"ACTIV' ECHO, is an essential equipment to keep watch :  
low consumption, simple and efficient.

For all yachtsmen navigating the open sea. "

**Michel DESJOYEUX**  
Skipper of Géant

## What is an active radar reflector?

ACTIV'ECHO is both a radar detector and an active reflector that transmits a signal on marine X band radar 9.3 to 9.5 GHz and receives signals.

The signal is displayed by a dot on the radar screen that pinpoints and magnifies the yacht equipped with an ACTIV'ECHO with a precision of a few hundred meters.

A remote control panel, installed inside the boat, gives a loud and visual signal when a radar is within reach.

ACTIV'ECHO operates even if there are a lot of radars around. When the LED and buzzer remain active, the buzzer can be cut off although surrounding radars continue to receive and display the position of the vessel on the radar screen.

The antenna is installed on top of the mast. The range depends on how high the ACTIV'ECHO is installed on the mast and on the power of the transmitting radar. An alarm can therefore signal a vessel that cannot be seen.

## Advantage

ACTIV'ECHO offers added safety by transmitting the position of a yacht equipped with an ACTIV'ECHO on the radar screen of boats sailing within 5 nautical miles and over.

Risks of collision are all the more reduced.

## References

Offshore races

Vendée Globe, Le Figaro, The Race etc...



## TECHNICAL DESCRIPTION

ACTIV'ECHO complies with stringent environmental conditions

Watertightness	10mts
Temperature	-20°C to +55°C

## MECHANICAL CHARACTERISTICS

<b>Antenna</b>	
Weight	600gr
Horizontal	omnidirectionnal <±2dB
Vertical	±12,5°
Dimensions	170x110x110mm

## ELECTRICAL CHARACTERISTICS

Power supply	10 to 14V
Consumption in stand by mode	34mA
Consumption in transmission	450mA/5µs
Maximum acceptable signal	+30dBm
Output power	+25dBm
Protection against wire inversion	
Sensitivity better than	-35dBm

## REMOTE CONTROL PANEL

To be integrated to electrical panel	
Dimensions	160x48mm
ON/OFF/Visual alarm	

## Distributed by

