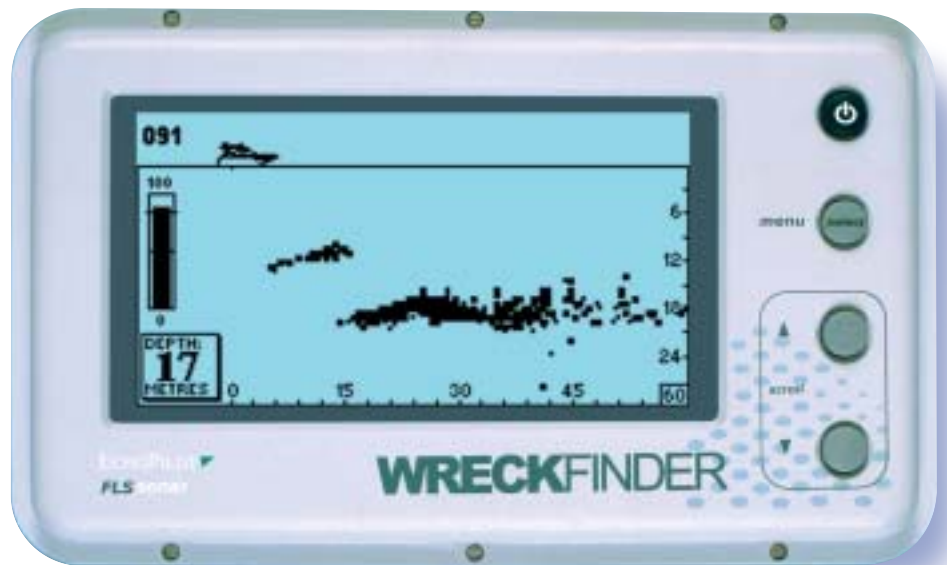
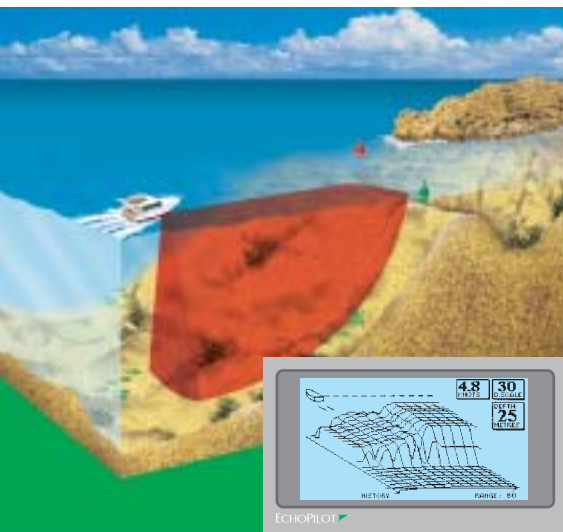


## WRECKFINDER

- Wreck identification software
- GPS display
- NMEA compatible
- 150m range (ahead)
- 75m range (down)
- 150m 3D sidescan display
- Digital depth
- Speed option
- Forward alarm
- Flush mount case
- Professional Transducer



*Wreck in Western Solent*



Wrecks are of interest to many seafarers, divers and fishermen especially. There are tens of thousands of wrecks around the English coast alone. Anyone who has tried to locate a wreck knows how difficult it can be, but now help is at hand in the form of our new and unique Wreckfinder.

We have been designing Forward Looking Sonar since 1992. These display a two dimensional view of the seabed ahead of the boat. But our patented FLS actually has the potential to do much more because the returning echo carries within it a lot of information about the nature of the seabed.

Wrecks are not the only man made objects on the seabed, there are also mines, and naval sonar has been developed which can distinguish mines buried in mud at some distance. This technology is newly available for peaceful purposes, and we have married it to our proven FLS technology to produce the Echopilot Wreckfinder.

The heart of the Wreckfinder is the "classifier" which is a clever piece of software that can learn how to recognise a wreck on the seabed. Our test vessel, the MV Echopilot, has spent many hours at sea hovering over known wrecks collecting data with an FLS in order to train the classifier. Just as we can distinguish between natural and artificial objects so the classifier can learn exactly the same skill. In fact the

classifier in the Wreckfinder is better than the human eye at discerning a wreck because it uses features within the FLS signal that do not show on the screen. Our classifier looks for 10 different features within the echo signal, things like shape and strength and more complex features too.

The Echopilot Wreckfinder is based on the Sidescan, with the exception of the optional repeater. The wreckfinding facility works in both forward and sidescan modes, so that at any time the boat is moving it can be searching for wrecks. The presence of a wreck under the boat is shown by a high reading on the confidence bar chart. If the wreckfinder is interfaced with a GPS then it will automatically store the GPS position of the last 10 wrecks located. Even if you are not looking at your Wreckfinder it is always scanning for those elusive wrecks and noting their location for you!

The Wreckfinder has all the features of the Sidescan, with the exception of the optional repeater. The wreckfinding facility works in both forward and sidescan modes, so that at any time the boat is moving it can be searching for wrecks. The presence of a wreck under the boat is shown by a high reading on the confidence bar chart. If the wreckfinder is interfaced with a GPS then it will automatically store the GPS position of the last 10 wrecks located. Even if you are not looking at your Wreckfinder it is always scanning for those elusive wrecks and noting their location for you!



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## WRECKFINDER

One final thing - remember you can not use two sounders or sonar at the same frequency on the same boat (or near another boat sometimes). One will transmit, the other will pick up its echo from the sea bed and both will be confused.

All EchoPilot vertical sounders run at 150KHZ. All EchoPilot Forward Looking

Sonars are 200KHz so they work well together. Brookes and Gatehouse use 183KHz (again compatible) but Raytheon use 200KHz so are not.

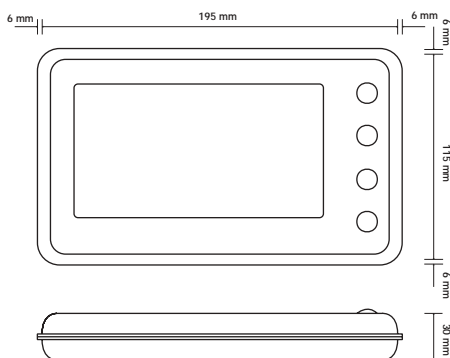
It is essential to fit a switch to disable any other sounder working at 200KHZ without an on/off switch. And when using the other sounder switch the EchoPilot sonar off!

If you need any more help or advice phone or E-mail our factory or one of our distributors or dealers - we are here to help you.

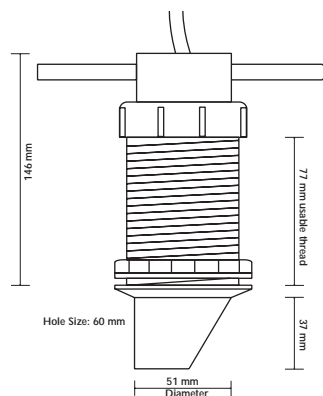
### Technical specification

Voltage	Consumption	Frequency	NMEA out	NMEA in	GPS in
12 or 24v	200ma Max	200 KHz	DBT VHW VLW	DBT VHW VLW	GGA etc

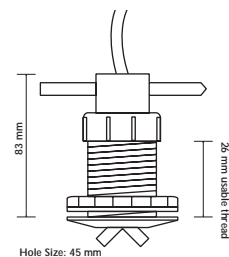
### Dimensions



### Transducers



### Log Transducer



### Standard Kit

- Display
  - Power cable
  - NMEA/Repeater out cable
  - Mounting stirrup kit
  - Transducer (professional)
  - Thru-hull fittings & blanking cap
- Shipping weight: Wreckfinder 4.2kg

### Options

- Speed kit
- Spare transducer (professional)

EchoPilot have a policy of continuous improvement and reserve the right to change specification

