

Airmar CS 4500 Ultrasonic Speedo Thruhull Specification and Compatible Paddlewheel

The CS4500 sensor fits into a standard 2" inside diameter black nylon thruhull , the same thruhull that fits the Depth/Temp Smartducer sold as Ockam part 029AFP. *But, there is an important difference between them!*

The outside diameter of the Depth/Temp Smartducer is 2", so the whole installed assembly consists of two parts – the smartducer and the thruhull (a 2" diameter dummy plug is supplied with the Smartducer).

The CS4500 Ultrasonic speedo consists of 3 parts – the same 2" diameter thruhull, a liner with a flap (valve) to reduce the geyser when the sensor is pulled, and the sensor itself whose outside diameter is smaller than the 2" diameter thruhull (smaller by the wall thickness of the valve insert). Further complicating matters is the fact that a short, 2" diameter, "emergency" dummy plug and cap are supplied which allow you to temporarily plug the standard 2" hole.

If a backup paddlewheel is requested (to be installed when the Ultrasonic unit is pulled), Airmar sells a kit consisting of a paddlewheel, valve insert and dummy plug (with additional short "emergency dummy as well) in the 2" diameter thruhull. This assembly is Airmar # 650-AA-220, sensor part# 31-277-10-71. Our friends at Brooks & Gatehouse offer this setup under their part number 650-A-220 Snsr,Speed,H. B&G list price is \$100.