

Saturn 50 Surface Gyrocompass at Ocean Business



Teledyne TSS is launching the fibre-optic marine gyrocompass Saturn. This is an entirely new product, expected to find a receptive market wherever a dependable heading reference is needed. It is specifically aimed at the commercial shipping, fast ferry and superyacht markets. The new Saturn gyro also includes attitude reference capabilities which make it an ideal choice for dynamically positioned platforms and for the provision of full attitude data for hydrographic survey vessels.

The Saturn 30 and 50 surface versions are designed as a solid state attitude and heading reference system (AHRS) and primary navigation sensor. The unit has no moving parts and is maintenance free being also lightweight, compact and highly reliable, making it ideal for installations where space is at a premium. It is a flexible system for all sizes of

vessel and excels on smaller craft such as fast ferries, yachts and patrol craft.

Teledyne TSS also offers higher accuracy versions of the Saturn in surface and subsea housings designed to support the offshore construction and multibeam sonar survey industries where reliability, price and performance are essential. These systems provide highly accurate pitch, roll, heading and heave and are suitable for a variety of applications including major seabed installations.

The Saturn product family is based on fibre-optic technology that has been developed and manufactured by Teledyne TSS. The family also incorporates advanced digital signal processing and algorithm design to deliver a highly accurate and reliable product to meet the demanding needs of the marine market. All units are compact, lightweight in both air and water and provide a unique alternative to existing products on the market.

Teledyne TSS has combined its in-house expertise with feedback from industry in the development of its steadily expanding Saturn product range. Its products are FOG-based and without any mechanical components, they have no requirement for servicing or routine maintenance.

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