Teledyne TSS’ Saturn fibre optic gyrocompass achieves Wheel Mark status

Teledyne Marine announced that after comprehensive testing, the full range of Teledyne TSS Saturn Fibre Optic Gyrocompasses has achieved Wheel Mark type approval under the MED (Marine Equipment Directive) Module B for meeting the performance standards required by gyrocompasses used for commercial shipping. The equipment is now fully approved for Gyro-Compass Equipment (Annex A.1/4.3), Gyro-Compass for High Speed Craft (Annex A.1/4.31) when operating at vessel speeds above 30 kts, as well as Rate of Turn Indicator (Annex A.1/4.9).

MED ensures a uniform implementation of international instruments for compliance with international conventions in order to ensure maximum degree of reliability and safety at sea, to prevent maritime casualties and pollution, and to ensure free movement of equipment within the European Union.

The equipment is also approved under the U.S. – EC Mutual Recognition Agreement. (US Coast Guard Module B Number 165.103/EC0168 and 165.203/EC0168 also apply.)

The Saturn fiber optic gyrocompass unit is built upon more than 100 years’ experience in marine navigation. This experience and industrial innovation has enabled the TSS engineering team to integrate the latest solid state technologies to offer a user-friendly, highly accurate and cost-effective gyrocompass solution for demanding marine environments. Ideal as any type of navigation device, the Saturn products have impeccable specifications and significant qualities ensuring suitability for many navigation applications. Having already tested the market with its full launch in 2014, the Saturn products are now fully ready to become a major player in the commercial shipping market. Designed to fill the primary navigation need, the device is a strap-down rate of the system allow for faster vehicle traversal for faster inspections. With dynamic scanning, one of the critical features is precision time synchronization since inaccuracies with time synchronization will produce inaccuracies.