

Meridian Repeater

Repeaters and ancillary products for complete, integrated systems.

Teledyne TSS Ltd offers a range of repeaters and ancillaries which, when combined with the Meridian gyrocompass, provide the user with a complete integrated solution.

The range includes compass comparator/changeover switch, heading repeaters, stepper amplifiers, remote control units, azimuth circles and mounting options which offer a range of displays and output formats to meet any navigation requirement.

Features

- Complimentary to the Meridian range of gyrocompasses
- Various output options
- High visibility displays
- Variable back lighting
- NMEA 0183 input/output
- 24VDC operating voltage
- Suitable for integrated bridge systems

Product range:

- Compass changeover switch
- Digital Repeater
- Data Repeater
- Dial Repeater
- Heading Repeater
- Bearing Repeater
- Vane and Prism type Azimuth Circles
- Mounting Brackets
- Pedestal Stands
- Stepper Amplifiers
- Remote Control Units



Meridian Repeater

TECHNICAL SPECIFICATIONS

		Compass Changeover Switch	Data Repeater	Digital Repeater	Dial Repeater	Heading Repeater	Bearing Repeater
Functions	Display	3 x digital headings; 2 x heading comparator	Simulated 360° tape and digital rate of turn (ROT); digital compass and digital ROT	Heading and ROT	360° x 1	Simulated 360° tape and numerical ROT; digital compass bar and digital ROT; full screen digital display; compass comparator (dual input); heading selection	Heading
	Alarm	Gyro fail					
	Illumination	Buttons & screen			Variable	Screen	Button (green) & dial (red)
	Controls	Illumination 8 levels; manual alignment; displayed information			Not applicable	Illumination 8 levels; manual alignment displayed information	Illumination & levels; manual alignment
Accuracy	Heading (static)	±0.1° digital; <±0.5° dial					
	Follow-up rate	> 20°/second		12°/second	> 20°/second		
Input		3 x RS422; 4,800/9,600/38,400 baud NMEA 0183	1 x RS422; 4,800/9,600/38,400 baud NMEA 0183 1 Step 5-70 VDC	2 x RS422; 4,800/9,600/38,400 baud NMEA 0183 1 Step 5-70 VDC	1 x RS422; 4,800 baud NMEA 0183 HDT	1 x Step 5-70VDC, 2 x RS422, 4,800/9,600/38,400 baud NMEA 0183 (synchro option)	1 x RS422; 4,800/9,600/38,400 baud NMEA 0183 1 Step 5-70 VDC
Output		2 x RS232; 11 x RS422; NMEA 0183; 4,800/9,600/38,400 baud; Step 5 VDC	1 x RS422; NMEA 0183; 4,800/9,600/38,400 baud	1 x RS422; NMEA 0183; 4,800/9,600/38,400 baud	Not applicable	1 x RS422; NMEA 0183; 4,800/9,600/38,400 baud; 1 x RS232 (printer)	1 x RS422; NMEA 0183; 4,800/9,600/38,400 baud
Mechanical	Gimbal limits	Not applicable					±45°
Environmental	Operating	-15°C to +55°C					-25°C to +55°C
	Storage	-25°C to +55°C					
	Housing	Protected					Exposed
	Water resistance	IP52					IP66
Power	Input voltage	18-36VDC					
	Input power	25W	10W	5W	10W	15W	15"
Dimensions		300 x 400 x 25mm; Display: 96 x 192 x 145mm	96 x 152 x 145mm	96 x 192 x 145mm	144 x 144 x 100mm	144 x 288 x 130mm	287 x 388 x 388mm
Warranty	12 months international warranty (including parts & labour); 24 months offered when purchasing with a Meridian gyrocompass						

Due to continuous development, specifications may vary from those listed above.

WORLD LEADERS IN MARINE NAVIGATION



Certificate Number: 160263
BS EN ISO 9001 : 2000

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