

POLARIS MK3-D

Gyrocompass System

The new generation of POLARIS: the MK3-D maintenance free gyrocompass

- **MASTER COMPASS** - Ten years of proven reliability
- **CONTROL UNIT** - Microprocessor based platform for Digital Heading Data Processing and Transmission and Data Display
- **POWER UNIT** - State of the art switching power supply and interface subassembly

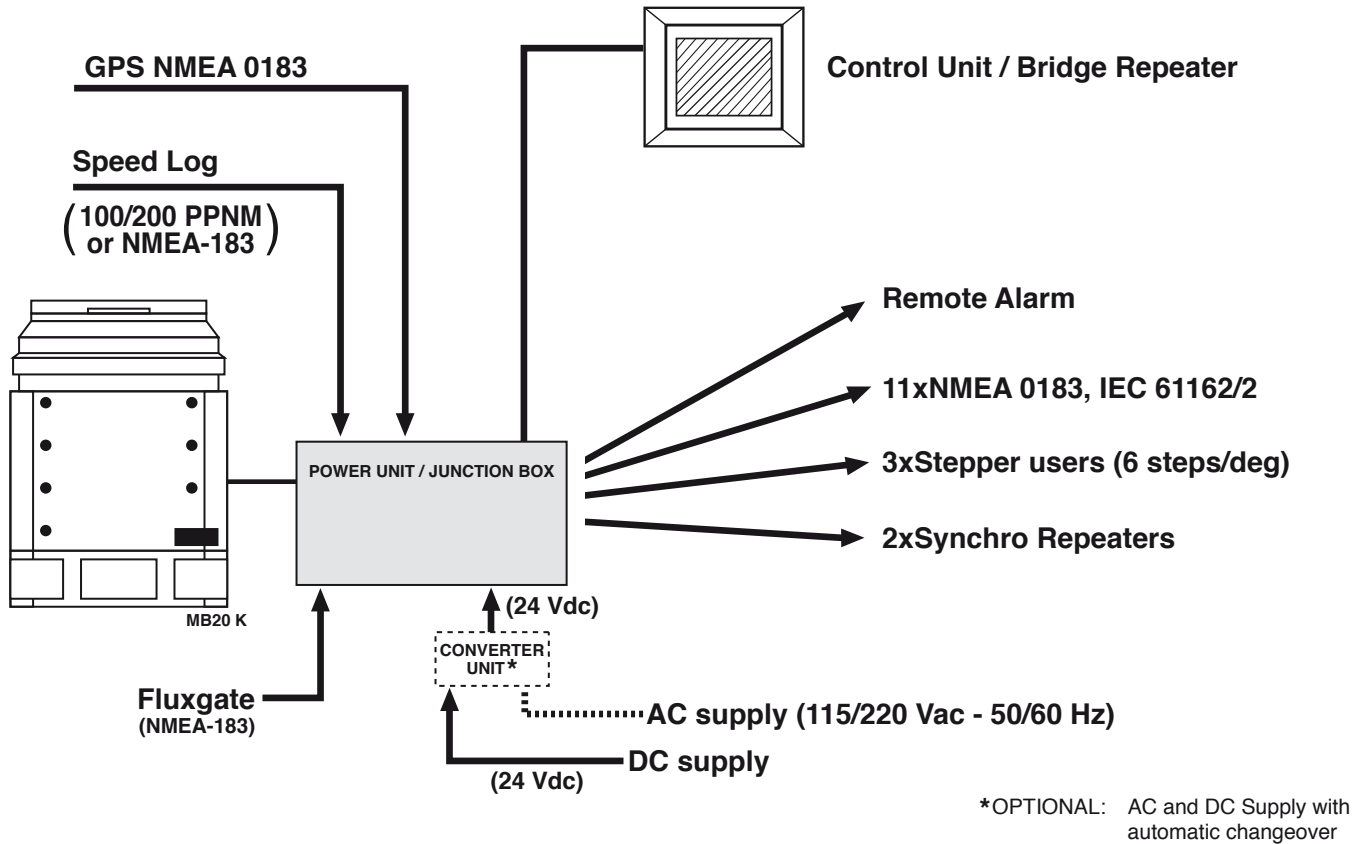


MAIN FEATURES

- Designed in accordance with IMO Resolution A424 (XI) and fully complying with ISO 8728 and IEC-60945
- Full GMDSS suitability
- Fast orientation (less than one hour by presetting)
- Suitable for high speed navigation
- Automatic speed / latitude error correction
- User programmable date/time for start-up
- Direct reading of correct heading on Master Compass and Control Unit
- Extensive built-in test with visual indication of coded errors
- Control panel for console mounting
- Dual gyrocompass system available
- Maintenance free
- Customized to suit any vessel

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TECHNICAL CHARACTERISTICS

SETTLING POINT ERROR	± 0.4° secant lat
STATIC ERROR	± 0.2° secant lat
DYNAMIC ERROR	± 0.4° secant lat
SETTLING TIME	4 hours unaided (1 hour by fast presetting) with user programmable start-up date/time capability
FOLLOW-UP RATE	75° /s
SPEED / LAT ERROR CORRECTION	Automatic / Manual
MAX. ROLL/PITCH ANGLES	± 45°
OPERATING TEMPERATURE	-10° to + 55° C
STORAGE TEMPERATURE	-10° to + 70° C
SUPPLY VOLTAGE	24 VDC or 115/220 VAC 50/60 Hz with external unit and automatic changeover
POWER CONSUMPTION (NOMINAL)	200W (basic version), 10W per analog repeater

DIMENSIONS AND WEIGHTS

COMPONENT	DIMENSIONS (mm)			WEIGHT (KG)
	LENGTH	HEIGHT	WIDTH	
MASTER COMPASS	338	450	340	40
CONTROL UNIT	155	215	215	3
POWER UNIT	210	450	300	10

This brochure should not be considered a contractual offer to sell. The specifications given herein may be changed by the manufacturer, GEM elettronica S.r.l., without notice.