



## DMS-25 Motion Sensor

The TSS Deck Motion Monitor (DMM) system is a combination package of hardware and software, designed to deliver the particular range of information demanded for use in helicopter flight operations involving a moving vessels or platforms.

DMM specifically meets the recommendations contained in the Civil Aviation Authority (CAA) publication CAP437 – Offshore Helicopter Landing Areas – a guide to criteria, recommended minimum standards and best practices.

The system delivers the full range of measurements defined in Chapter 6, paragraph 6.3 of the CAP437 publication. This sensor has been used for many times into complete Met systems in combination with the software program OMC-Data-Online.

### Features:

- Meets CAA CAP437 requirements for deck motion measurement
- Incorporates latest silicon gyro technology
- Compact motion sensor with low power consumption
- Simple installation
- Easy to use operating software (OMC-Data-Online)
- Flexible mounting orientation
- EMC and CE rated



# DMS-25 Motion Sensor

## TECHNICAL SPECIFICATIONS

### Motion sensor: heavy roll & pitch

Accuracy	5cm or 5% whichever is greater 0.25°
Maximum range	±10m ±60°
Resolution	1cm Digital: 0.01° Analogue: 12 bit
Bandwidth	0.05 to >30Hz 0 to >30Hz
Data output rate	Digital: up to 200 Hz Analogue: up to 500Hz (with an external repeater)
Dimensions	99mm (d) x 172mm (h) (excluding connector and mounting plate)
Weight	<2.3Kg (3.5Kg with 5m length of cable)
Power supply	15-30 Vdc
Temperature	0 to 55°C operating; -20 to 70°C range storage
Power	10-36V, <6.5W
Depth rating	3000m
Shock (survival)	30g peak 40ms half-sine
Vibration	30mm/s or 0.2mm, 7-300Hz
Output formats	DMSView for Windows offers standard TSS and other manufacturers' data strings in addition to a user-configurable menu
Software interface	Digital: RS232 or RS422 (software selectable) Analogue: via an optional remote interface for power communications and aiding

MTBF (computed) 50,000 hours



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### Work station (optional)

Size overall	375 x 285 x 104mm
Weight	5.2 Kg
Display type	TFT colour LCD, size 12.1 inches
Maximum resolution	800 x 600 pixels
Power supply	85 to 265V AC (47 to 63 Hz) 80W
Ports	4 serial, 1 parallel
Temperature range	0 to 45°C
Warranty	12 months international warranty for parts and labour. Due to continuous development, specifications may vary from those listed above.

