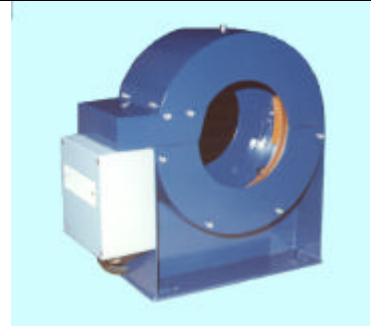


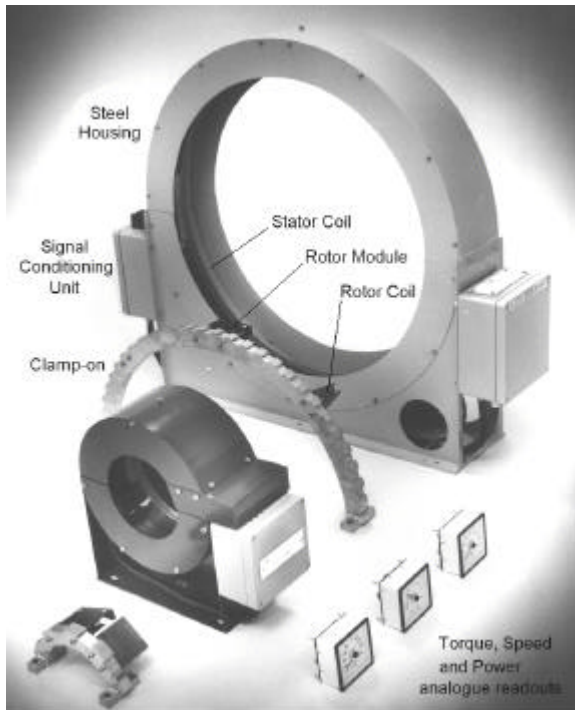
MT TORQUE TRANSDUCER



Operators realise that increasing demands for close monitoring of a ship's overall performance and its running costs requires accurate and reliable measurement of torque, and hence power, transmitted through the propeller shaft.

The MT series torque transducer is designed specifically for a marine environment, combining a rugged mechanical construction with a proven non-contacting inductive system powering the shaft-mounted strain-gauge bridge and conditioning electronics. The use of a single coil for power and data transmission allows a large running gap, typically 10 to 12mm, therefore axial and radial alignments are not critical.

Typical systems for 650 and 250mm shafts



SPECIFICATIONS

To fit shaft diameters from 100 to 800mm
Housing diameter = shaft diameter plus 200mm
Housing width 160mm (mounting plate 220mm)

System Accuracy: Torque $< \pm 1\%$ fs
Speed - ± 1 count based on
30 counts per revolution

Operating Temperature: -10 to 65°C

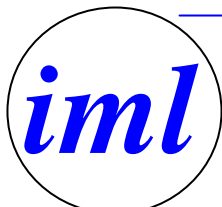
Signal outputs: 4-20mA or frequency only
for direct connection to
any suitable ship
performance monitor or
computer.

Displays: Optional analogue or digital meters

System check facility by remote switch operation

Power requirements: 110/115V or 220/240V
40/60Hz

Data sheet MT/0203. All dimensions are in mm. Details may change without notice, please ask for confirmation if required



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