

TSX5 SHAFT POWER METER

Marine Shaft Torque, Speed, Thrust and
Power Measurement

- High Accuracy and Repeatability
- Digital system for data processing
- Full data connectivity via all formats
- Thrust measurement option
- All units include display for data and diagnostics
- Optional Thrust measurement
- Essential instrument for energy optimising

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The SeaTechnik TSX5 Torsionmeter employs a full Strain Gauge Bridge - the most accurate method of measuring torque. The strain-gauges detect the minute deformation of the shaft under torque and convert this strain into a small analogue voltage. Non contact electro-magnetics energise the rotor circuitry which converts the small signal into digital data for transmission to the local stator unit.

A local multi-page display or control console version is an integral part of the TSX5.

The user can read at any time:

- Instantaneous power, torque and revs/min
- Cumulative power and revs
- Set-up data via a supervisor level
- Diagnostic data

SPECIFICATIONS

- Power Accuracy $\pm 0.25\%$ FSD
- Torque Accuracy $\pm 0.25\%$ FSD
- Speed Accuracy $\pm 0.01\%$

CONNECTIVITY

Outputs to IAS, DCS, MACS and Ship Performance Monitor systems are standard via galvanically isolated 4..20mA, or Serial Data ports. Data for trials or machinery investigation can even be read by direct connection to a laptop computer.



A Typical TSX5 Installation



TSX5 Remote Display Panel.



TSX5 Local Display Panel.

SERVICE & SUPPORT

SeaTechnik have been designing, manufacturing and supporting leading edge marine systems for over 20 years. Located in the Northwest UK, a team of experienced service engineers provide installation, commissioning and service support both direct, and via a network of technical agents and associates worldwide.

On-going Technical training is offered to both customers' and associates' engineers worldwide.

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