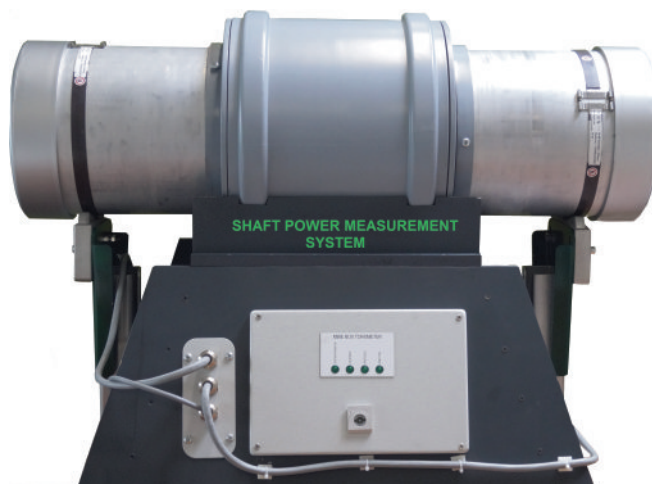


PERMANENT SHAFT POWER MEASURING SYSTEM (TORXmeter®)

TORXmeter®

...simple and continuous
torque measurement



MADE
IN
GERMANY

Simplified Shaftpower Measurement with excellent price performance ratio

The TORXmeter® is a continuous shaftpower measurement system. Developed with the purpose of:

- Flexible installation -

The design of the TORXmeter® allows easy installation of the two magnetic sensor belts in a distance between of 1,5 to 2m*. Different shaft diameter for each sensor belts are also possible. We recommend to install the system with an intermediate shaft bearing in between to use the bearing socket for installation.

(*<1,5m on request)

- Easy installation -

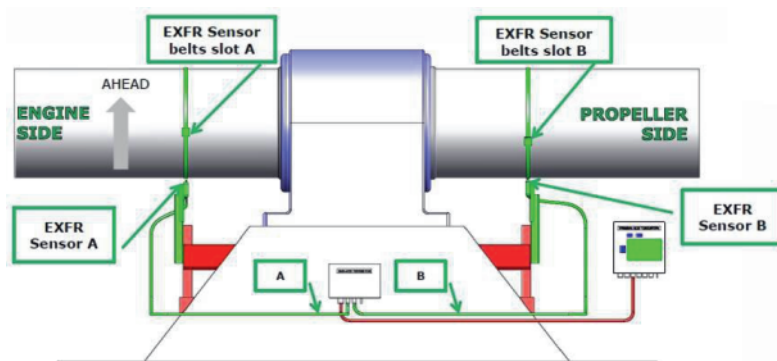
An comprehensive preparation and installation manual with a lot of pictures allows to install the TORXmeter® without any service technician and special skills -> installation via ships crew.

- Easy operation -

Intuitive operation by touch screen display of the Terminal Box. Display of KPI's such as: Torque [kNm], RPM, Shaftpower [kW], live load diagram. Automatic generated reports (daily,-or sea trial report). Easy calibration (zeroing) procedure by ships crew possible!

TORXmeter® complete package (scope of supply)

1. Terminal Box
(wall or console mounted version)
2. MWE Box
3. 2 Set of Bracket and holders for EXFR sensors
4. 2 pcs. EXFR sensors (depending on shaft diameter)
5. 2 pcs. sensor belts (depending on shaft diameter)
6. Pre-wired cable between MWE Box and EXFR sensors (appr. 3,7m)



Your reliable partner for marine measuring instruments and service



PERMANENT SHAFT POWER MEASURING SYSTEM (TORXmeter®)

Technical data

Supply Voltage:	100/240 VAC, 50-60 Hz, 16A
Temperature range:	Terminal,-and MWE Box 0°C up to +60°C EXFR sensors and belts -40°C up to +85°C
Shaft diameter:	250mm - 1000mm (solution <250mm on request)
Sensor Measuring Accuracy:	< 0,1% fs
Speed range:	up to 250 rpm (>250rpm on request)
Torque / RPM Measurement:	high-resolution sensor, contact-free
Performance Data Output:	4-20mA signals, RS485 (NMEA 183)
Data logging:	mini SD card
Alarm outputs:	Engine overload, system error (pot. free contacts)
Protection class:	Terminal,-and MWE Box IP54 EXFR sensors and belts IP67
Software Update:	via USB stick (update file can be sent via email)
Optional equipment:	Repeater display for ECR or bridge installation

Measurement screen (Terminal Box)

measurement

power 5673.93 kW

rpm 98.60 rpm

torque 549.50 kNm

total power: 6034.0 kWh

operating hours: 31.7 h

ESC load diagram < reset

Daily report (Terminal Box)

last daily report results:

performed from: 15.02.2016 11:16:00
to: 15.02.2016 11:21:01

sum. power: 314.8 kWh

mean rpm: 85.8 rpm

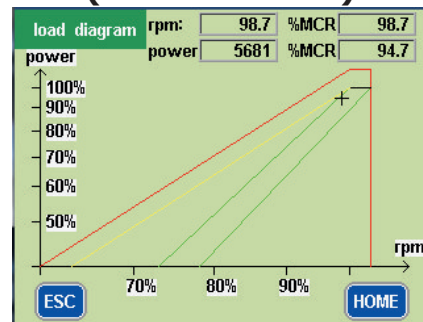
mean torque: 420 kNm

mean power: 0 kW

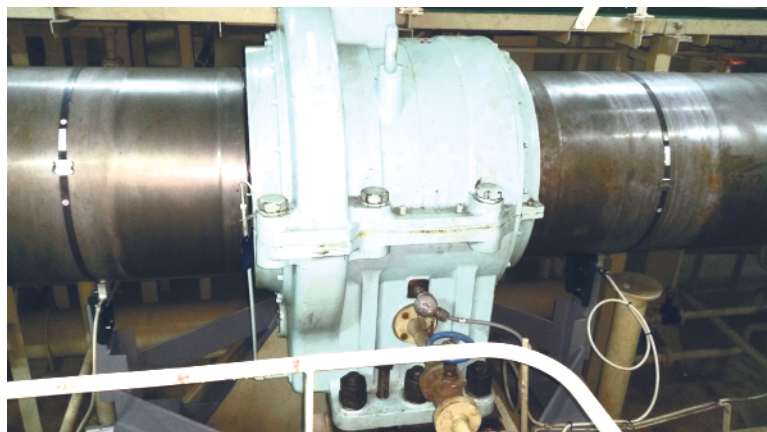
new report is running

ESC SET

Propeller curve (Terminal Box)



Installation example



Your reliable partner for marine measuring instruments and service



TX Marine Messsysteme GmbH

Sandkamp 18

D-25368 Kiebitzreihe

Tel.: +49 (0) 4121 / 491 6890 E-Mail: office@txmarine.com

Fax: +49 (0) 4121 / 463 48 74 Internet: www.txmarine.com