

TX Marine Messsysteme

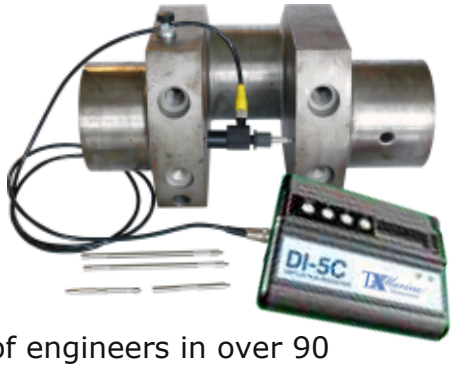


CRANKSHAFT MEASUREMENT / OVALITY MEASUREMENT - DI-5C

easy and fast measurement of crankshaft deflection and cylinder liner ovality



Deflection Measurement:



Most engineers are familiar with the importance of regular checks on diesel engine crankshafts and cylinder liner. The old dial gauge for crankshaft alignment checks were time-consuming, unpleasant, dirty and gave uncertain accuracy. By using the Deflection Indicator DI-5 series the task will be much easier and the accuracy will be improved. As an option to the instrument you can connect the ovality kit to check the cylinder liner ovality and wear comparison.
The Deflection Indicator DI-5 series has been used by large numbers of engineers in over 90 countries worldwide. Our customers are diesel engine manufacturers who equip their engines with an instrument for the service program, service companies and shipping companies.

Crankshaft Measurement:

Four push buttons on the DI-5C panel are used to select, change and accept values on the display such as temperature, engine number, number of cylinders, measurement direction and so on. Just push the OK button to store the value.
On completion of the first cylinder, move the transducer to the next cylinder and store measurement values. The generous measurement range allows the transducer to be moved between cylinders without mechanical adjustment. When all cylinders are completed hard copy can be downloaded to a PC for reference and future comparisons.

HARD FACTS:

- A pleasant and clean operation comparing to use the old dial gauge.
- Download measurements to your computer to store, track, print and compare your engine wear.
- Measure deflections at the extreme precision of 0,001mm
- Rechargeable battery operated for portable use
- Large measuring distance 60 – 574 mm (with different kind of transducers).
- USB connection to PC

Your reliable partner for marine measuring instruments and service



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Technical data

Storage & transfer to PC:	DI-5 (no) ; DI-5C (yes)
Measuring distance:	89-565mm (a smaller transducer is optional available)
Measuring range:	+/- 2.048 mm
Resolution:	0,001 mm
Zero balance range:	+/- 2.048 mm
Zero drift:	0.001 mm / 5 minutes
Instrument operating range:	0-55°C
Transducer operating range:	0-80°C
Battery:	3.6 V Lithium Ion, rechargeable
Battery life:	10 hours / charge, shelf life 5 years
Extension bars (invar alloy):	10, 20, 40, 80 and 2x160 mm
Cable lenght:	7 meters
Gross Weight:	4 kg
Dimensions - Instrument:	190x167x50 mm
Transducer:	Ø 31x81 mm
Case:	300x280x140 mm

Ovality Kit (option):



The ovality kit is designed principally to measure cylinder liner wear and ovality. However, the device can be modified to take measurements from various applications according to your own requirements.
The standard kit contains equipment to measure cylinder liners with diameters of 180-600 mm.
The supplied software with the deflection indicator DI-5C also handles the measurements taken with the ovality kit. By this, you can transfer ovality data to your PC and evaluate and compare, all with graphs and printouts.

Analyze Data in your Computer:



The DI-5C will download your measured data to a PC using standard USB interface. The software is compatible with Windows up to version Windows 8, 32/64 bit.
Connecting cable, user information and program disc are supplied with the instrument.