

**SEIFFERT**  
INDUSTRIAL, INC.



CRANKSHAFT MEASUREMENT

# DEFLECTION INDICATOR

OVALITY MEASUREMENT





## 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 Prisma Tibro's electronic 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 ship-ping companies.

## CRANKSHAFT MEASUREMENT

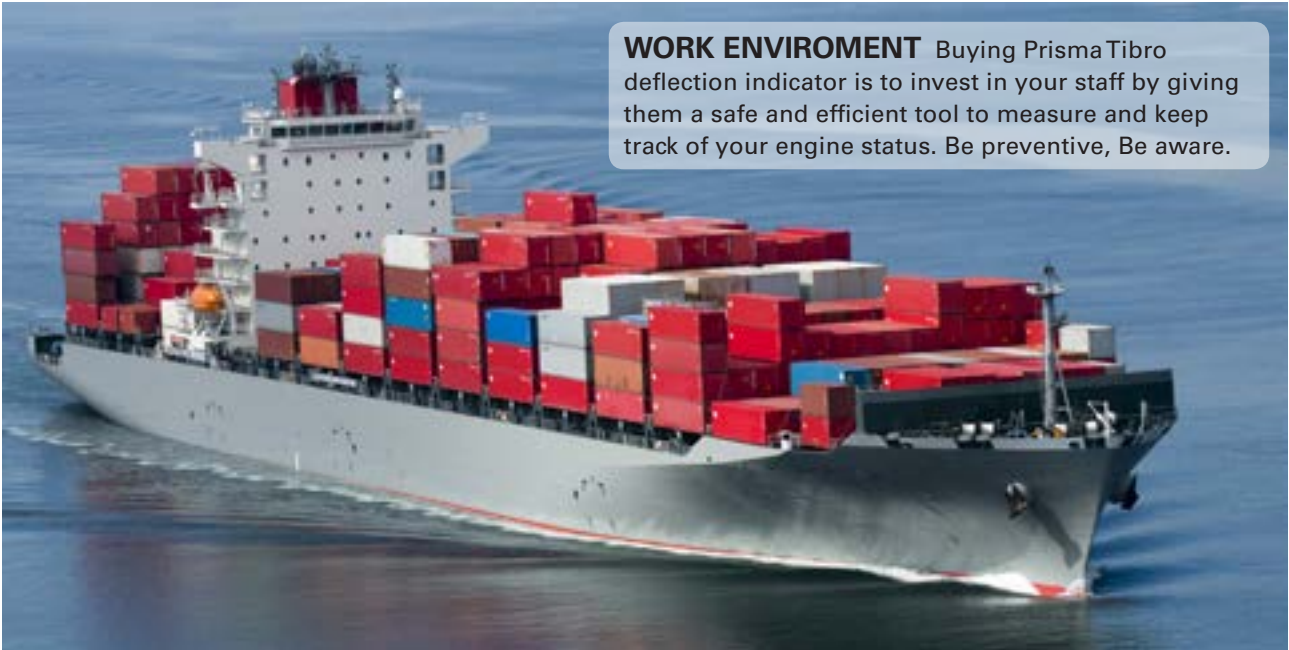
Four push buttons on the DI-5C panel are used to select, change and accept values on the display such as temperature, engine number, number of cylinders, measurement direction and so on. Just push the OK button to store the value.

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 soft 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
- Export to Excel from Prisma DI-5C



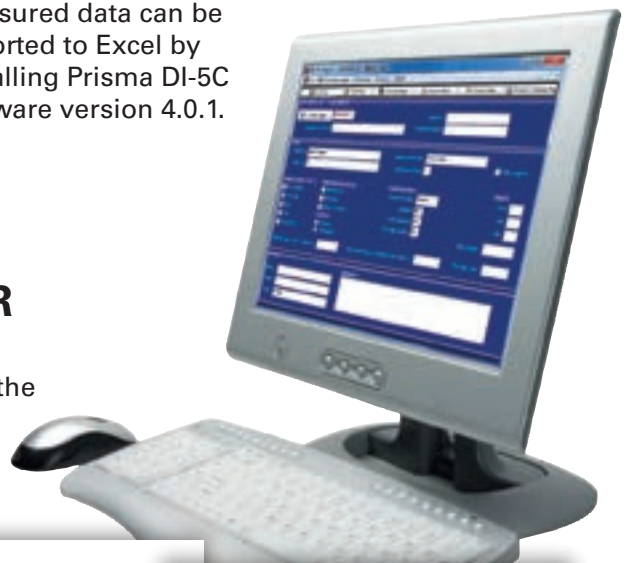
**WORK ENVIRONMENT** Buying PrismaTibro deflection indicator is to invest in your staff by giving them a safe and efficient tool to measure and keep track of your engine status. Be preventive, Be aware.



## OVALITY KIT

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 and stroke up to 870 mm.

The supplied software with the deflection indicator Prisma DI-5C also handles the measurements taken with the ovality kit. By this, you can transfer ovality data to your PC to evaluate and compare, all with graphs and printouts, and more over the measured data can be exported to Excel by installing Prisma DI-5C software version 4.0.1.



## ANALYZE DATA IN YOUR COMPUTER

The supplied software with the deflection indicator Prisma DI-5C also handles the measurements taken with the ovality kit. By this, you can transfer ovality data to your PC to evaluate and compare, all with graphs and printouts, and more over the measured data can be exported to Excel by installing Prisma DI-5C software version 4.0.1.

## EXPORT TO EXCEL

More info on website: [prismatibro.se](http://prismatibro.se)  
Search for "Export to Excel"

PRISMA TIBRO	
MAIN PAGE	
Device ID:	
Device Name:	
Device Type:	
Device Model:	
Device Serial:	
Device IP:	
Device Port:	
Device User:	
Device Password:	
Device Status:	
Device Location:	
Device Manufacturer:	
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Device Model:	
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Device IP:	
Device Port:	
Device User:	
Device Password:	
Device Status:	
Device Location:	
Device Manufacturer:	
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PRISMA TIBRO	
SINGLE PAGE	
Device ID:	
Device Name:	
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Device Location:	
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Device User:	
Device Password:	
Device Status:	
Device Location:	
Device Manufacturer:	
Device Year:	



## TECHNICAL SPECIFICATION



DI-5



DI-5C

	DI-5	DI-5C
Memory & transfer to PC	No	Yes
Export as Excel	No	Yes
Measuring distance	89-565 mm (a smaller transducer is optional equipment)	
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 / 32-130°F	
Transducer operating range	0-80°C / 32-175°F	
Battery	3.6V Lithium Ion, rechargeable	
Battery Life	10 hours / charge, shelf life 5 years	
Extension bars (invar alloy)	10, 20, 40, 80 and 2 x 160 mm	
Cable length	7 meters	
Gross Weight	4 kg	
Dimensions: Instrument	190 x 167 x 50 mm	
Transducer	Ø 31 x 81 mm	
Case	300 x 280 x 140 mm	



**SEIFFERT**  
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