



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 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
- 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 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.

EXPORT TO EXCEL

More info on website: prismatibro.se
Search for "Export to Excel"





TECHNICAL SPECIFICATION



DI-5



DI-5C

	No	Yes
Memory & transfer to PC	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	3.6 V 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	

PRISMA TIBRO

PrismaTeknik, Prisma Light and Prisma Care are all part of the brand PrismaTibro. PrismaTibro has nearly three decades of experience in developing and manufacturing unique, high quality products with advanced and reliable technology. We are ISO 9001 certified to ensure the high quality and customer support.

Our four product areas are pedestrian signals, deflection indicators, push buttons and LED street light.

CSR, corporate social responsibility: As a company, we want to reach out and help the people in Sweden and around the world with the love of God. We support different projects that help children by building new schools, by giving them clean water and by diverting them from a life in crime. There is so much we can do to help, and we are committed to contribute as much as we can.



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