

Prisma DI

DEFLECTION INDICATOR CRANKSHAFT MEASUREMENT



DEFLECTION MEASUREMENT

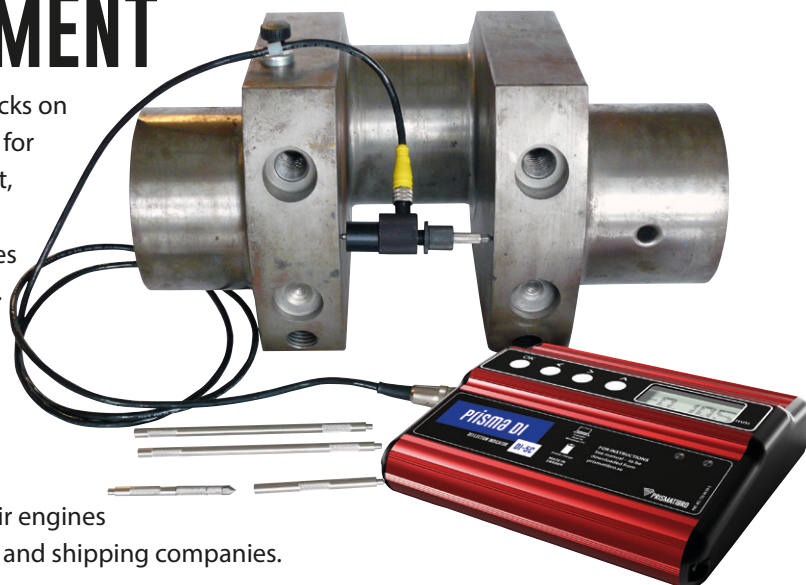
Most engineers are familiar with the importance of regular checks on diesel engine crankshafts and cylinder liner. The old dial gauge for crankshaft alignment checks were time-consuming, unpleasant, dirty and gave uncertain accuracy.

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.

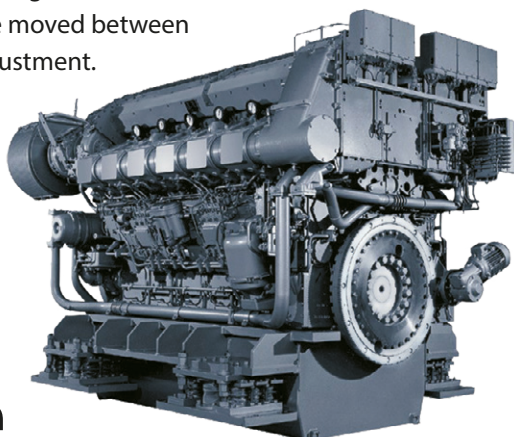


CRANKSHAFT MEASUREMENT

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 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



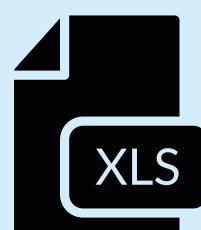
Rechargeable battery operated for portable use



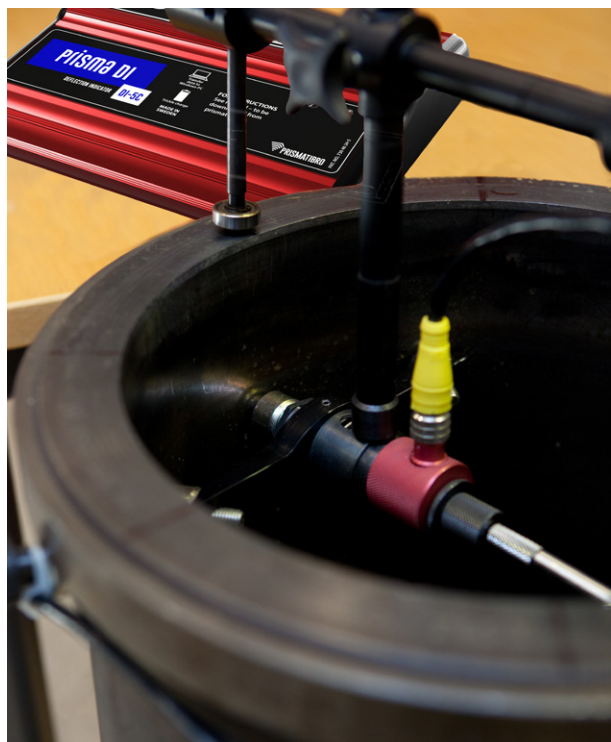
Large measuring distance 60–574 mm, with different kind of transducers.



USB connection to PC



Export to Excel from Prisma DI-5C



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.



ANALYZE DATA ON 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.

EXPORT TO EXCEL

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



MAIN PAGE

MAIN PAGE						
Document Number	14150417	Install number				
Ship / Name / Plant		Crankshaft Ident.				
Engine Type	Main Engine	Measuring direction	Clockwise			
Engine NR	10	Cylinders in total	4			
ENGINE CONNECTED TO		ENGINE INSTALLED ON		TEMPERATURES		DRAFT
Water Brake	No	Steel Chocks	No	Engine Condition	Warm	Fore
Alternator	No	Chockfast	No	Ambient	40	Aft
Gear	No	Rubber Cushions	No	Lubricating Oil	70	Trim
Other	No			HT Cooling Water	80	
Free End PTO	No	CLUTCH				Bore/Stroke
Place						Running Hours
Name						Time between stop and indicating
Date	150417					Engine running continuously before indicating
Remarks						

SINGLE PAGE

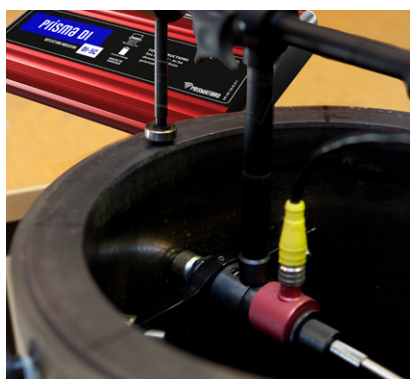
SINGLE PAGE			LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	LEVEL 6	LEVEL 7	LEVEL 8	LEVEL 9	LEVEL 10
Document Number	14150417	Pos A	0,029	0,015	- 0,173	- 0,005	0,029	0,015	- 0,173	- 0,005	0,029	0,015
Name / Ship / Plant		Pos B	0,028	0,031	- 0,111	- 0,027	0,028	0,031	- 0,111	- 0,027	0,028	0,031
Engine Nr	10	Pos C	- 0,015	0,030	0,078	- 0,056	- 0,015	0,030	0,078	- 0,056	- 0,015	0,030
Engine Type	Main Engine	Pos D	- 0,023	- 0,044	- 0,036	- 0,039	- 0,023	- 0,044	- 0,036	- 0,039	- 0,023	- 0,044
Cylinders In Total	4	Pos E	- 0,013	0,119	- 0,122	- 0,015	- 0,013	0,119	- 0,122	- 0,015	- 0,013	0,119
Limit Value	0,500	Max Deflection	0,052	0,052	0,052	0,052	0,052	0,052	0,052	0,052	0,052	0,052

SINGLE PAGE			LEVEL 13	LEVEL 14	LEVEL 15	LEVEL 16	LEVEL 17	LEVEL 18	LEVEL 19	LEVEL 20	LEVEL 21	LEVEL 22
Document Number	14150417	Pos A	0,029	0,015	- 0,173	- 0,005	0,029	0,015	- 0,173	- 0,005	0,029	0,015
Name / Ship / Plant		Pos B	0,028	0,031	- 0,111	- 0,027	0,028	0,031	- 0,111	- 0,027	0,028	0,031
Engine Nr	10	Pos C	- 0,015	0,030	0,078	- 0,056	- 0,015	0,030	0,078	- 0,056	- 0,015	0,030
Engine Type	Main Engine	Pos D	- 0,023	- 0,044	- 0,036	- 0,039	- 0,023	- 0,044	- 0,036	- 0,039	- 0,023	- 0,044
Cylinders In Total	4	Pos E	- 0,013	0,119	- 0,122	- 0,015	- 0,013	0,119	- 0,122	- 0,015	- 0,013	0,119
Limit Value	0,500	Max Deflection	0,052	0,052	0,052	0,052	0,052	0,052	0,052	0,052	0,052	0,052

COMPARE PAGE

COMPARE PAGE				LEVEL 1		LEVEL 2		LEVEL 3		LEVEL 4		LEVEL 5	
	DOC 1	DOC 2		DOC 1	DOC 2	DOC 1	DOC 2	DOC 1	DOC 2	DOC 1	DOC 2	DOC 1	DOC 2
Document Number	14150417	14150418	Pos A	0,029	0,015	- 0,173	- 0,005	0,029	0,015	- 0,173	- 0,005	0,029	0,015
Name / Ship / Plant			Pos B	0,028	0,031	- 0,111	- 0,027	0,028	0,031	- 0,111	- 0,027	0,028	0,031
Engine Nr	10	12	Pos C	- 0,015	0,030	0,078	- 0,056	- 0,015	0,030	0,078	- 0,056	- 0,015	0,030
Engine Type	Main Engine	Main Engine	Pos D	- 0,023	- 0,044	- 0,036	- 0,039	- 0,023	- 0,044	- 0,036	- 0,039	- 0,023	- 0,044
Cylinders In Total	4	4	Pos E	- 0,013	0,119	- 0,122	- 0,015	- 0,013	0,119	- 0,122	- 0,015	- 0,013	0,119
Limit Value	0.500	0.500	Max Deflection	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052

COMPARE PAGE				LEVEL 7		LEVEL 8		LEVEL 9		LEVEL 10		LEVEL 11	
	DOC 1	DOC 2		DOC 1	DOC 2	DOC 1	DOC 2	DOC 1	DOC 2	DOC 1	DOC 2	DOC 1	DOC 2
Document Number	14150417	14150418	Pos A	0,029	0,015	- 0,173	- 0,005	0,029	0,015	- 0,173	- 0,005	0,029	0,015
Name / Ship / Plant			Pos B	0,028	0,031	- 0,111	- 0,027	0,028	0,031	- 0,111	- 0,027	0,028	0,031
Engine Nr	10	12	Pos C	- 0,015	0,030	0,078	- 0,056	- 0,015	0,030	0,078	- 0,056	- 0,015	0,030
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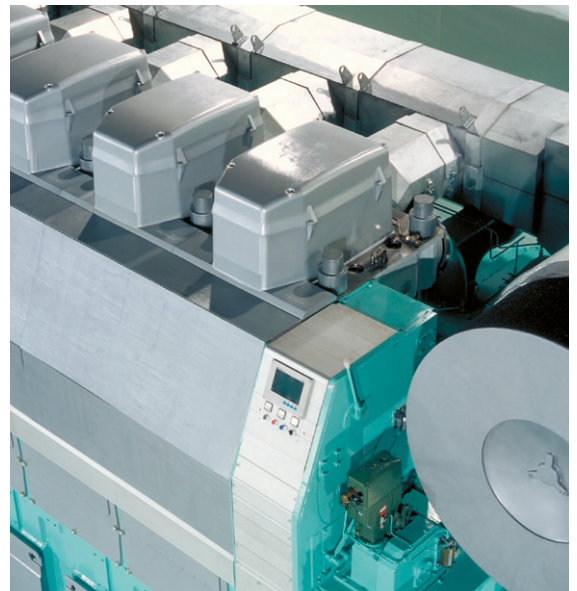
PRODUCT RANGE

DEFLECTION INDICATOR



PRISMA DI SERIES

	Prisma DI-5	Prisma DI-5 Small	Prisma DI-5C	Prisma DI-5C Small
Memory & transfer to PC	No	No	Yes	Yes
Export as Excel	No	No	Yes	Yes
Measuring distance	89-565 mm	60-536 mm	89-565 mm	60-536mm
Measuring range	+/- 2.048 mm	+/- 1.000 mm	+/- 2.048 mm	+/- 1.000 mm
Resolution	0,001 mm			
Zero balance range	+/- 2.048 mm	+/-1.000	+/- 2.048 mm	+/-1.000
Zero drift	0.001 mm / 5 minutes			
Instrument operating range	0-55°C / 32-130°F			
Transducer	89 mm	60 mm	89 mm	60 mm
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	Ø 22 x 56 mm	Ø 31 x 81 mm
	Case	300 x 280 x 140 mm		



Prisma DI

 PRISMATIBRO

PRODUCT RANGE

OVALITY KIT



VISIT OUR WEBSITE
OR PHONE +46 504 400 43
AND TALK TO HARUT
PDROSSIAN
PRODUCT MANAGER



Prisma DI

THEREFORE PRISMATIBRO

QUALITY & SERVICE

The leading digital instrument for crankshaft Deflection indication is made in Sweden.

Trustworthy construction made to last.
Accuracy to trust.

All members of the staff are extremely committed to maintain the good reputation that all the products which are coming from PrismaTibro, Sweden have gained over the last decades.

WARRANTY 5 YEARS

Buying products from Prisma Tibro is a safe investment. Every now and then we talk to customers using the same instrument for more than ten years.

GLOBAL AND LOCAL

Sweden is up north and seems perhaps far away. But let us surprise You by excellent service and quick response to what ever Your need is.

30 YEARS OF EXPERIENCE

Prisma Teknik and Prisma Light are 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.

Part of Addtech-group since July 2018.

We are ISO 9001 certified to ensure high quality products, services and customer support. Our four product areas are pedestrian signals, deflection indicators, push buttons and LED street lights.

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.



ADDRESS Jarnvagsgatan 19, SE-543 50 Tibro

SWITCHBOARD +46 504 400 40

WEB prismatibro.se

E-MAIL contact@prismatibro.se