LEMAG PREMET[®] C

Electronic Cylinder Pressure Indicator

- a beneficial tool that provides essential data with highest possible accuracy
- running costs can significantly be reduced by having a well-tuned and balanced engine
- avoiding unexpected maintenance or repairs leads to reliable operation

Features

- applicable on slow- medium- and high-speed engines
- outmost robust design for extreme ambient conditions
- superior quality ensuring long-lasting operation over years
- prompt test results for immediate evaluation
- large memory for thousands of measurements (e.g. managing up to 5 vessels with up to 6 engines each)
 high resolution colour display
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 incl_WPREMET software with varie
- incl. WPREMET software with various diagrams and graphs for detailed and precise engine analyzing

The Next Generation of Cylinder Pressure Monitoring

The simple and self-explanatory software structure allows this versatile instrument to be operated using only four robust stainless steel buttons. The large integrated memory allows all measurements and engine data to be stored in the instrument itself. The data can also be evaluated on a computer and sent by e-mail for evaluation or storage on shore. The heart of the instrument is the pressure sensor. Using the latest technology from *Kistler* Switzerland its accuracy and lifetime are setting a new standard.

The LEMAG PREMET[®] C electronic cylinder pressure indicator is available in different versions, each one optimized for the user's needs and desired accuracy. Quick measurements can be carried out while the engine is running. For a more detailed engine analysis the LEMAG PREMET[®] C can also be equipped with *TDC* sensors, which enables the instrument to measure *mean indicated pressure (MIP)* and indicated power. On large slow speed engines the LEMAG *Multiscan-Sensor* can be used to measure the *crank angle* with a physical resolution of *360 degrees* to ensure that the measured data is of an optimum accuracy.

A REAL PROPERTY AND A REAL

HANDHELD UNIT

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PREMET



ME PREMET C

PRESSURE INDICATOR

PREMET

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measuring instruments since 1911

LEMAG PREMET[®] C

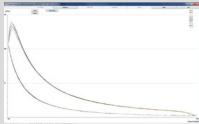
PREMET C	LS	XL	XLMS	Т
	LS	۸L	ALIVIS	
WPREMET software	~	~	~	iç
PPA software	opt.	opt.	opt.	ir
power diagram	-	~	~	((
comparison with reference measurements	~	~	~	s n
Pmax	~	~	 Image: A second s	n
measurement of injection pressure (fuel)	-	opt.	opt.	s' n
acceleration monitoring (ACL)	-	opt.	opt.	t c
pressure vs. time	~	~	 Image: A second s	ι
deviation of pressure peak vs. crank angle	-	~	~	s v
compensation of torsional vibration	-	-	v	h c
pressure sensor with armoured cable (h)	opt.	opt.	opt.	а
TDC Sensor	-	~	~	С
MS wheel with 360° resolution sensor	-	-	v	

Technical Details		
ignition pressure range	0-250 bar	
injection pressure range (only for option fuel)	< 1600 bar	
speed range	40–1800rpm	
max. number of cylinders	20	
max. number of strokes per cylinder	30	
manufactured according to ISO 9001	~	
compensation of temp.	✓	
USB connection	v	
stainless steel housing with isolated thermogrip	✓	
high resolution colour display	~	
accuracy	better than class 1.6	
opt. = optional		

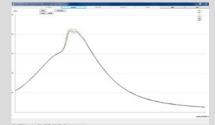
Included WPREMET Software



p/alpha diagram all cylinders 3D



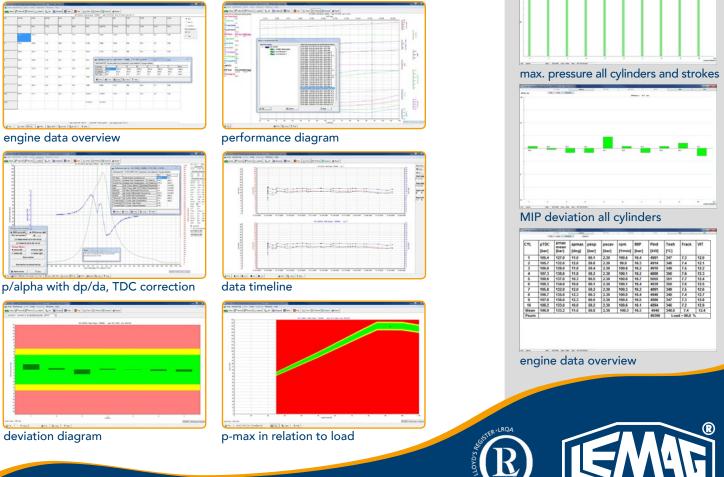
p/Volume diagram



p/t diagram all cylinders

Optional PREMET Performance Analyser (PPA) Software (Vers. 2.11)

with multiple analyses including selection of different vessels and their engines





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ISO 9001