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
- 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.
LEMAG PREMET® C

Included WPREMET Software

Technical Details

<table>
<thead>
<tr>
<th>Feature</th>
<th>LS</th>
<th>XL</th>
<th>XLMS</th>
</tr>
</thead>
<tbody>
<tr>
<td>WPREMET software</td>
<td>✅</td>
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<tr>
<td>PPA software</td>
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<td>opt.</td>
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<tr>
<td>power diagram</td>
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<tr>
<td>comparison with reference measurements</td>
<td>✅</td>
<td>✅</td>
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<tr>
<td>Pmax measurement of injection pressure (fuel)</td>
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<td>opt.</td>
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<tr>
<td>acceleration monitoring (ACL)</td>
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<tr>
<td>pressure vs. time</td>
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<td>✅</td>
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<tr>
<td>deviation of pressure peak vs. crank angle</td>
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<td>-</td>
<td>✅</td>
</tr>
<tr>
<td>compensation of torsional vibration</td>
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<tr>
<td>TDC Sensor</td>
<td>-</td>
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<tr>
<td>MS wheel with 360° resolution sensor</td>
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Optional PREMET Performance Analyser (PPA) Software (Vers. 2.11)

with multiple analyses including selection of different vessels and their engines

- p/alpha diagram all cylinders 3D
- p/Volume diagram
- p/t diagram all cylinders
- max. pressure all cylinders and strokes
- MIP deviation all cylinders
- engine data overview
- performance diagram
- p/alpha with dp/da, TDC correction
- data timeline
- deviation diagram
- p-max in relation to load

**Optional PREMET Performance Analyser (PPA) Software**

with multiple analyses including selection of different vessels and their engines.

**Technical Details**

- Ignition pressure range: 0–250 bar
- Injection pressure range (only for option fuel): < 1600 bar
- Speed range: 40–1800 rpm
- Max. number of cylinders: 20
- Max. number of strokes per cylinder: 30
- Manufactured according to ISO 9001
- Compensation of temp.: ✅
- USB connection: ✅
- Stainless steel housing with isolated thermogrip: ✅
- High resolution colour display: ✅
- Accuracy: better than class 1.6

**Optional = optional**