Engine Analyser EPM-XP<sub>plus</sub>

advanced combustion pressure measurement on engines

- High accuracy
- Automatic TDC correction
- Automatic Pcomp calculation
- IPOWER and IMEP calculation
- Advanced trending functions
- Advanced visualisation and data processing software

NEW Advanced features

- Higher battery capacity - power more than 20 hours
- Continuous measurement to analyse actual engine condition by direct data transfer via USB/Ethernet (max. length 50m) to PC software
- Comprehensive analysing software for ships- and power plant application
- Direct data transfer to IPE (IMES Performance Evaluation Software)
- Vibro sensor for definition of fuel injection- and valve timing in preparation

Application:
- 2 stroke engines: 40– 950 RPM
- 4 stroke engines: 200– 1800 RPM
Technical Data

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Measuring range</td>
<td>0...300 bar</td>
</tr>
<tr>
<td>Accuracy (EPM-XP unit incl. HTT® sensor)</td>
<td>+/- 0.5 % full scale</td>
</tr>
<tr>
<td>Sampling resolution</td>
<td>0.1°C</td>
</tr>
<tr>
<td>Max. temperature at measuring cell</td>
<td>300 °C (short time 350 °C)</td>
</tr>
<tr>
<td>Storing capacity</td>
<td>20 measurements / engine</td>
</tr>
<tr>
<td>Online measurement</td>
<td>Via USB- / Ethernet cable</td>
</tr>
<tr>
<td>Interface</td>
<td>USB—HID</td>
</tr>
<tr>
<td>Battery</td>
<td>4 x NiMh AAA 930 mAh</td>
</tr>
<tr>
<td>Weight incl. sensor and adaptor</td>
<td>1100 g</td>
</tr>
<tr>
<td>Dimension incl. protection cover</td>
<td>210 x 100 x 80 mm</td>
</tr>
</tbody>
</table>

Scope of supply

- EPM-XP plus incl. instrument case
- EPM-XP plus unit incl. protection cover
- HTT® cylinder pressure sensor (1m length)
- Battery 4 x NiMh AAA 930 mAh
- Visualisation software
- USB connecting cable (1m)
- Thompson adaptor (W27x1/10") incl. mounting tool
- Instrument case

Part no.

IW-1544

Option:

- IMES Performance Evaluation Software (IPE)        IW-8050
- Ethernet cable (20m)                              IW-8130
- USB extender for connection to Ethernet cable     IW-1559
- Thompson adaptor for 4-stroke continuous online measurement IW-1222
- Pressure pump coupling for thompson adaptor       IW-1574
- Thread cleaner for thompson thread                IW-1571
- Vibro sensor (in preparation)                     IW-9999

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This information corresponds to the current state of knowledge. Liability for consequential damage resulting from the use of IMES products is excluded.

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