Electronic Pressure Indicator EPM-XP

for Diesel Engine application

- High accuracy
- Battery charging from PC via USB port
- Excellent price performance ratio
- Automatic Pcomp calculation
- IPower and IMEP calculation
- Trend-function
- Calc. of spec. F.O. consumption (g/kwh)

Application:
- 2 stroke engines: 40–300 RPM
- 4 stroke engines: 200–1500 RPM

EPM-XP will be supplied on Kawasaki Heavy Industries built MAN B&W two stroke engine (01/2010). Hyundai Heavy Industries adopt EP1 (Elektronik Pressure Indicator) as standard application for all newly coming MAN B&W MC/MC-C and Wärtsilä RTA/FIT flex engines (04/2011)
The user friendly EPM-XP is a powerful electronic indication device. It serves to analyse 2-and 4-stroke large diesel engines in connection with HTT cylinder pressure sensor.

The EPM-XP contains the basic components, handheld data acquisition unit calibrated together with HTT cylinder pressure sensor as well as data acquisition and analysing software. Commercially re-chargeable batteries are used.

All the measured data can be downloaded via USB port to a PC where the EPM-XP visualisation software is installed.

**Technical-data Electronic Indicator EPM-XP**

<table>
<thead>
<tr>
<th>Measuring range</th>
<th>0-300 bar</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accuracy (EPM-XP unit incl. HTT sensor)</td>
<td>+/- 0.5 % full scale</td>
</tr>
<tr>
<td>Max. temperature at measuring cell</td>
<td>300 °C</td>
</tr>
<tr>
<td>Storing capacity</td>
<td>20 measurements / engine</td>
</tr>
<tr>
<td>Interface</td>
<td>USB</td>
</tr>
<tr>
<td>Battery</td>
<td>E-Block re-chargeable NiMH 270 mA</td>
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<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 incl. instrument case
- EPM-XP unit incl. protection cover
- HTT cylinder pressure sensor (1m length)
- Battery 2 x E-Block NiMH re-chargeable
- Visualisation software
- USB connecting cable
- Thompson adaptor (W27x1/10") incl. mounting tool
- Instrument case

**Part no.**

IW-1520

**Option:**

- IMES Dongle for IPOWER- and IMEP calculation, incl. p/v diagram, Pcomp diagram, IMEP diagram and IMEP balance diagram, incl. trending
- Pressue pump coupling for thompson adaptor
- Thread cleaner for thompson thread

IW-1558
IW-1574
IW-1571