**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/RT-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>Specification</th>
<th>Value</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>Natural frequency HTT sensor</td>
<td>&gt; 100 kHz</td>
</tr>
<tr>
<td>Max. temperature at measuring cell</td>
<td>300 °C, short time 1 minute 350 °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>
</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 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 (multiuser license)
- USB connecting cable
- Thompson adaptor (W27x1/10") incl. mounting tool
- Instrument case

### Option:

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

**Part no.**

- IW-1520
- IW-1558
- IW-1574
- IW-1571

imes gmbh, Dr.-Herbert-Kittel-Str. 2, 87600 Kaufbeuren, fon +49(0) 8341 96 61 73 0, fax +49(0) 8341 96 61 73 18, e-mail: info@imes.de, www.imes.de