EPM-XG<sup>plus</sup> Gas Engine Balancer

Available 2Q-2020

**New Features**
- 20 hour battery life!
- 0.1 crank angle degree measuring resolution
- Compression pressure measurement
- Pressure vs Crank Angle curves
- "As Found" and "As Left" engine reports
- Continuous PC on-line monitoring of P vs CA and Pmax for diagnostic purposes

**Existing Features**
- High accuracy (<0.5% FSR)
- Cylinder Balancing Order
- Easy to operate
- Proven combustion pressure sensor
- No water or air cooling required
- Light-weight (2.5 lbs)
- Rechargeable batteries
- Powerful PC analysis software
- Convenient carrying case
- Best value handheld analyzer

**Application**
- 2-stroke engines: 40 to 900 RPM
- 4-stroke engines: 200 to 1800 RPM

The EPM-XG<sup>plus</sup> keeps your engines in balance for best power, optimum fuel efficiency, lowest emissions, and long engine life.

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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.
The EPM-XG\textsuperscript{plus} is a highly accurate and easy to use gas engine balancer. The operator can collect "As Found" cylinder pressure data, balance the engine, and collect "As Left" data without ever leaving the engine.

The EPM-XG\textsuperscript{plus} comes with powerful PC analysis software that includes the following features.

- Balancing bar chart
- Peak & Compression Pressure bar chart
- 50 cycle peak pressure history for each cylinder
- Pressure vs Crank Angle charts
- Excel-based analysis report includes peak pressure, compression pressure, standard deviation, Pmax & Pmin for each cylinder.

The EPM-XG\textsuperscript{plus} battery recharges while the EPM-XG\textsuperscript{plus} is connected to your PC or a USB charger.

<table>
<thead>
<tr>
<th>Specifications</th>
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<tbody>
<tr>
<td>Measuring range</td>
<td>0...2000 psi</td>
</tr>
<tr>
<td>Accuracy (EPM-XG unit incl. HTT sensor)</td>
<td>&lt; +/- 0.5% full scale</td>
</tr>
<tr>
<td>Max. temperature at measuring cell</td>
<td>300 °C</td>
</tr>
<tr>
<td>Storage capacity</td>
<td>2 x 20 measurements / engine (As Found and As Left)</td>
</tr>
<tr>
<td>PC Interface</td>
<td>USB</td>
</tr>
<tr>
<td>Rechargeable Batteries</td>
<td>(4) NiMH AAA 930 mAh</td>
</tr>
<tr>
<td>Weight incl. sensor and adaptor</td>
<td>2.5 lbs</td>
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<tr>
<td>Dimension incl. protection cover</td>
<td>8.3 x 3.9 x 3.1 in</td>
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</tbody>
</table>

**Scope of Supply**

- EPM-XG\textsuperscript{plus} Gas Engine Balancer, includes
  - Handheld analyzer
  - HTT-04 combustion pressure sensor & 4 ft. cable
  - Thompson adaptor (W27 x 1/10 " ) & wrench
  - 4 rechargeable NiMH AAA 1500 mAh batteries
  - PC Visualization software
  - USB cable
  - Carrying case
  - Users Manual & Quick Start Guide on USB Flash Drive

**Optional Items**

- 20 m Ethernet cable
- USB/Ethernet converter
- Thompson adapter for continuous on-line measurement on 4-stroke engines
- Pressure pump coupling for calibrating sensor
- Thread cleaner for Thompson adapter

**Contact:**

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