



## 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.**



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

The EPM-XG<sup>plus</sup> 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<sup>plus</sup> 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<sup>plus</sup> battery recharges while the EPM-XG<sup>plus</sup> is connected to your PC or a USB charger.

### Specifications

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

### Scope of Supply

- EPM-XG<sup>plus</sup> Gas Engine Balancer, includes
- Handheld analyzer
  - HTT-04 combustion pressure sensor & 4 f t. 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

### Part Num

IW-1546

### Optional Items

- 20 m Ethernet cable IW-8130
- USB/Ethernet converter IW-9998
- Thompson adapter for continuous on-line measurement on 4-stroke engines IW-1219
- Pressure pump coupling for calibrating sensor IW-1574
- Thread cleaner for Thompson adapter IW-1571

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