

Outstanding quality  
and know-how

More than 6,000 EPM units  
have been sold up to now



EPM-XP<sup>plus-vibro</sup> installed on a MAN 12V 48/60 engine at the Endesa powerplant in Melilla

There is no need of factory calibration,  
neither after several years of operation.

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Specialist for  
advanced  
engine control

All EPM devices are battery powered, compact and lightweight handheld devices for 2 -and 4-stroke diesel engines. They convince with their ease of use, robustness, and high accuracy. The next generation units are equipped with the very robust cylinder pressure sensor HTT-06 that offers a very good thermodynamic performance.

All EPM types have a battery capacity of more than 20 working hours.

Furthermore, the optimized handheld devices of the EPM-Next Generation offer 2 additional function keys for an easier handling and a larger and more comprehensive display.

### New features

- simple online upgrade from peak pressure indicator EPM-Peak up to engine analyser EPM-XP<sup>plus-vibro</sup> via web
- one EPM visualisation software for all device types
- online software and firmware updates
- two additional function keys for an easier menu handling
- a larger and more comprehensive display

You are welcome to contact us at any time for further information and support.

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## EPM Next Generation

4 different EPM types

-  
only one device



EPM-Peak EPM-XP EPM-XP<sup>plus</sup> EPM-XP<sup>plus-vibro</sup>

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## Unique further development

The new generation of the successful electronic handheld device type EPM is a unique further development that enables easy system upgrades and updates and that also offers an improved handling and new functions.

Since 2008 the electronic indicator EPM-XP is in series production and up to now IMES offers four different EPM types: EPM-Peak, EPM-XP, EPM-XP<sup>plus</sup> and EPM-XP<sup>plus-vibro</sup>.

The measurements the user can perform are depending on the EPM type he is using. The digital peak pressure indicator EPM-Peak is designed to measure the maximum value of cylinder pressure while the engine analyser EPM-XP<sup>plus-vibro</sup> enables advanced combustion pressure measurements including vibro-acoustic diagnostic on 2- and 4-stroke diesel engines.

The further development EPM Next Generation offers one common hardware for all EPM types, this enables a simple upgrade from peak pressure indicator EPM-Peak up to engine analyser EPM-XP<sup>plus-vibro</sup>. The user can purchase a licence file for an upgrade to a higher version and it is not necessary to send the device back to IMES.

## EPM Family

### Overview functions of visualisation software

	EPM-Peak	EPM-XP	EPM-XP <sup>plus</sup>	EPM-XP <sup>plus-vibro</sup>
Pmax balancing	on demand	✓	✓	✓
Pcomp balancing	-	✓	✓	✓
IMEP / Ipower balancing	-	-	✓	✓
P/alpha diagram	-	✓	✓	✓
Engine report	-	✓	✓	✓
P/vol and Pvol/log	-	-	✓	✓
Open-and save ref	-	-	✓	✓
Trending function	-	-	✓	✓
Online - offline function	-	-	✓	✓
Data transfer to IPE software	-	-	✓	✓
Vibration monitoring	-	-	-	✓

The collected data of all EPM types can be displayed and evaluated from the EPM visualisation software. Via USB port the device will be connected to a PC and the visualisation software identifies the EPM type and activates the corresponding software functions. Depending on the instrument peak pressure, pressure- and combustion behavior, performance data as well as valve timing will be evaluated and analysed.

If the PC is connected to the Internet it will be automatically checked if there are any hardware or visualisation software updates. The user can install the updates and they are free of charge.