

Next generation



Engine Analyser EPM-XP^{plus-vibro}

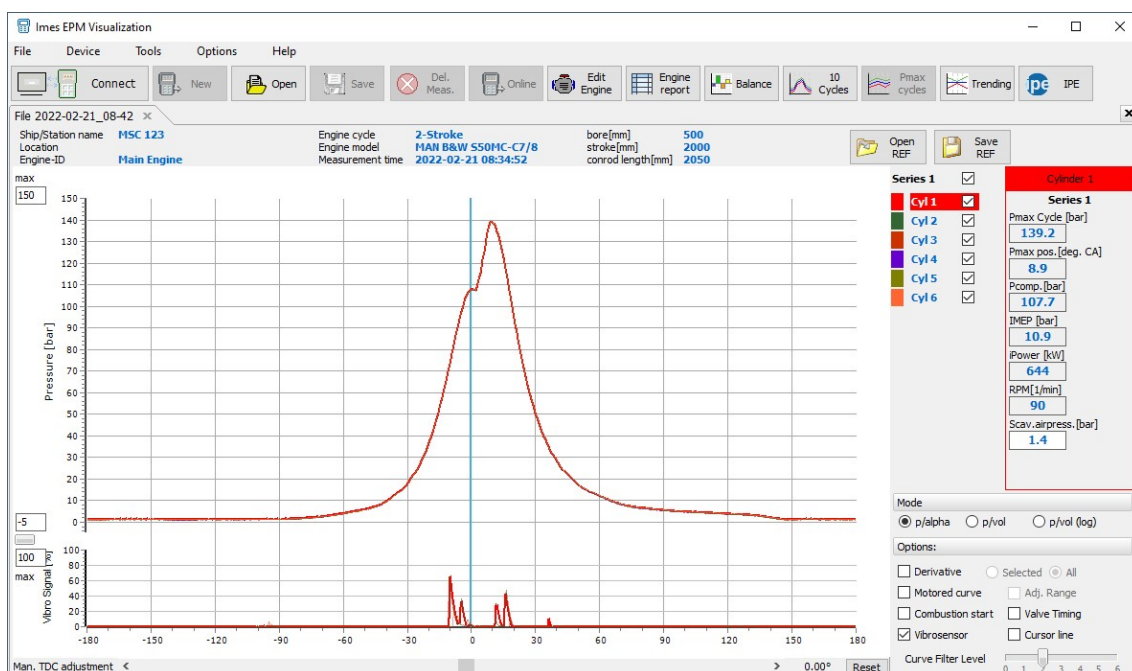
advanced combustion pressure- and vibro-acoustic measurement on engines

- Advanced algorithm for TDC correction
- IPOWER, IMEP and Pcomp calculation
- Determination of ignition start
- HTT-06 sensor with excellent thermo-dynamic behaviour and robustness
- Advanced trending functions
- Vibro-acoustic monitoring
- Battery capacity more than 20 hours
- Sensor accuracy check function
- One device visualisation software for all device types
- Online soft- and firmware update
- A larger and more comprehensive display
- Two additional function keys for an easier menu handling
- Performance evaluation—suggests actions to take for optimizing engine condition



Application:

- 2 stroke engines: 40– 950 RPM
- 4 stroke engines: 200– 1800 RPM





More than 20 hours

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.

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

Technical Data

Measuring range	0...300 bar
Accuracy (EPM-XP ^{plus} incl. HTT [®] sensor)	+/- 0,5 % full scale (static)
Sampling resolution	0,1°C
Max. temperature at measuring cell	300°C (1 minute @ 350°C)
Storing capacity	5 engines @ 20 measurements/engine
Online measurement	Via USB- / Ethernet cable
Interface	USB—2.0
Battery	4 x NiMh AAA 930 mAh
Weight incl. sensor and adaptor	1100 g
Dimension incl. protection cover	210 x 100 x 80 mm

Scope of supply

Part no.

- EPM-XP^{plus-vibro} incl. instrument case
- EPM-XP^{plus-vibro} unit incl. protection cover
- HTT[®] cylinder pressure sensor(1m length)
- Vibroacoustic sensor incl. 1m cable and connector
- Battery 4 x NiMh AAA 930 mAh
- Visualisation software for WIN 7, WIN 10, WIN 11
- USB connecting cable (1m)
- Thompson adaptor(W27x1/10") incl. mounting tool
- Instrument case

IW-1716

Option :

- IMES Performance Evaluation software (IPE)
- Pressure pump coupling for thompson adaptor
- Thread cleaner for thompson thread

IW-8050

IW-1574

IW-1571