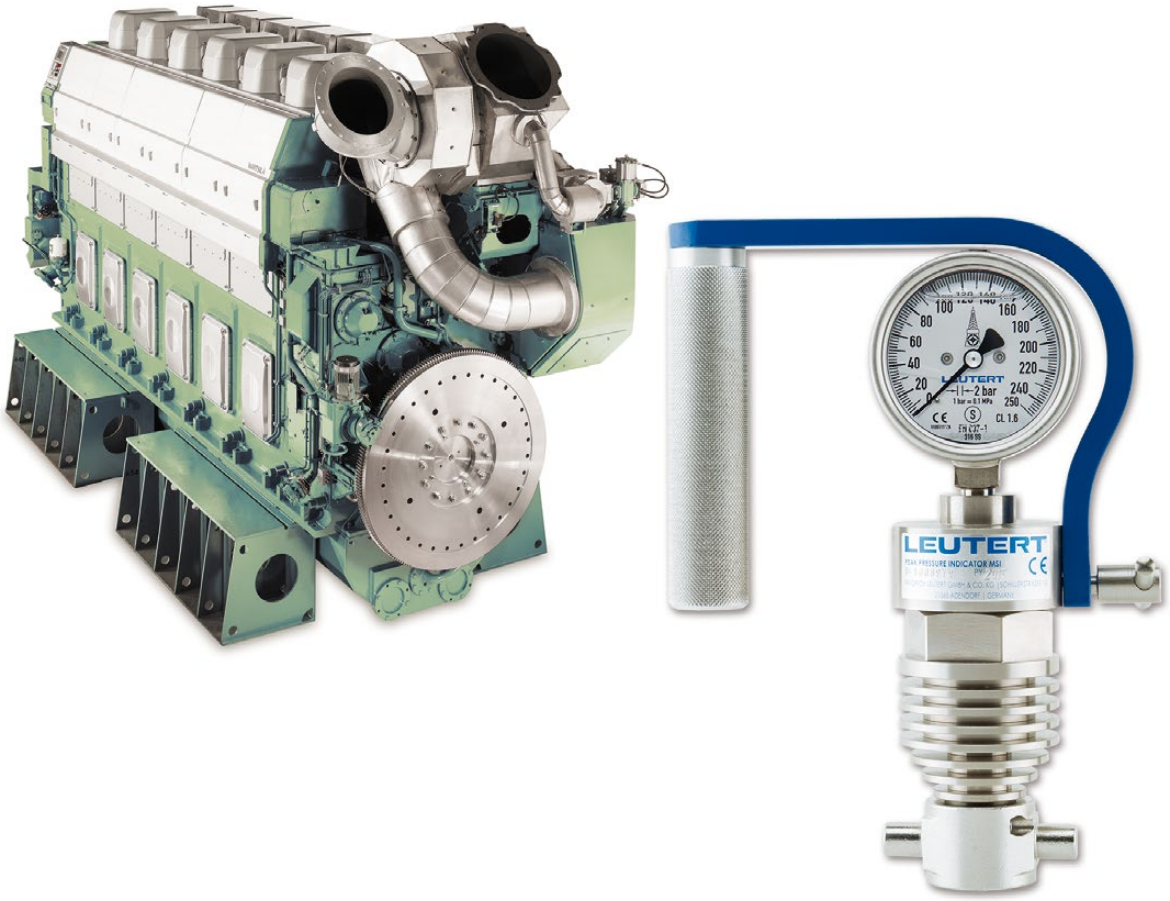
Peak Pressure Indicator MSI-3



Cylinder Pressure Monitoring

The Leutert Peak Pressure Indicator MSI-3 measures and displays maximum compression or ignition pressures in individual cylinders of large two- or four-stroke engines.

Description

The Leutert Peak Pressure Indicator MSI-3 measures and displays maximum compression or ignition pressures in individual cylinders of large two- or four-stroke engines. This engine indicator, sometimes called Peak Pressure Gauge, may be used on ships Diesel or gas engines, generators, air compressors and pumps or other hydraulic systems. The indicator is attached to an engine via an indicator valve.

The instrument is hallmarked by simple operation and a high degree of instrumental precision in all speed ranges and may be used to measure engines with a maximum combustion temperature of 350°C. Its sturdy design makes it immune to vibration, with extremely low maintenance requirements.

The MSI-3 consists of a sturdy grip section and a solid stainless steel bottom part with connecting nut and venting screw. A stainless steel pressure gauge, is mounted on top end of the bottom part.

The bottom part also houses a shock absorber and a shutoff system. The shock absorber regulates and stabilizes the buildup of pressure for the display unit. The shutoff system closes as soon as the peak pressure is reached and, thus, enables a correct pressure reading.

The connecting nut enables the MSI-3 unit to be mounted on any indicator valve or cock with a standard W27 x 1/10“ thread.

The venting screw may be actuated to reset the device to its zero position after the measuring procedure has been completed.

Every single device is being tested and calibrated according to our ISO 9001 quality standards and will be supplied with a calibration certificate proving the accuracy of the device.

Features

- Measuring range up to 300 bar
- Easy handling
- High accuracy in all speed ranges
- Extremely robust, low maintenance
- Insensitive to vibration
- Pressure gauge in safety construction
- Light-weight

Technical specifications

Measuring ranges	0 to 160 bar, 0 to 250 bar, 0 to 300 bar
Engine range	up to 2,500 rpm
Permissible temperature	ambient -20 to 60°C
Error margin	± 1.6 %
Dimensions	210 mm x 155 mm x 60 mm
Weight	1.8 kg without wooden box 3.0 kg with wooden box
Standard connection	W 27 x 1/10“

Standard accessories

1 wooden box
1 hollow spanner - connecting nut
1 test protocol
1 operating instructions

MSI-3 complete in wooden box