

Technical Data

The **MarPrime®** system by Maridis GmbH is a simple, user-friendly device for measuring cylinder pressure on every engine with indicator cock. It is designed to measure and analyze the combustion process of 2- and 4-stroke marine diesel engines and for stationary power plants. It offers the potential to gauge all the engines in your machine room and draw up well-founded diagnostic reports quickly with a high degree of accuracy.



Technical Details	MarPrime®	MarPrime® Ultra
Pressure sensor with armoured cable	✓	✓
Pressure sensor range	0-300 [bar]	0-300 [bar]
Pressure sensor accuracy	+/-1% to fullscale output	+/-1% to fullscale output
Ultra Sonic Sensor	-	✓
2/ 4 Stroke	✓	✓
Speed range	25-2000 [rpm]	25-2000 [rpm]
Max. number of cylinder	24	24
Compensation of temperature	✓	✓
USB connection	✓	✓
RJ45 network communication	✓	✓
Software CD	✓	✓
Software updates	✓	✓
Work System for MarPrime	XP,Vista,Windows7 or higher	XP,Vista,Windows7 or higher
Additional TDC Sensor	no need	no need
Additional extra cables	no need	no need
Additional encoder solution	no need	no need
Display	no need	no need
Additional Calibration	no need	no need
Dynamical TDC correction	✓	✓
Pmax./ Pcomp. /Power (ind.) /Speed	✓	✓
Software P/alpha diagram	✓	✓
Software P/V diagram	✓	✓
Software Changing Rate diagram	✓	✓
Software bar charts/limits	✓	✓
Software Export/Print/Report/Zoom function	✓	✓
Data file size of <140 kByte for email sending	✓	✓
Injection timing	-	✓
Valves timing	-	✓
Valves Leakage	-	✓
Maritime Service Centre for (CBM)	✓	✓
Type Approval	✓	✓
Class Approval for a Condition Monitoring System	✓	✓

This information corresponds to the current state of knowledge.

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Hard shell case,

Dimension :	H,L,W: 420; 480; 115 [mm]
Weight :	[kg]/ [lbs]
MarPrime®	6.6/ 14.55
MarPrime Ultra®	7/ 15,43

Computer requirements

Pentium IV processor or later
512 MB RAM or more
Hard disk with at least 500 MB free space
Display with 1024 x 768 resolution or higher
CD-ROM drive /Mouse
RJ45 network communication port

Scope of supply

- 1 x Hard shell case
 - 1 x Handset
 - 1 x Cylinder pressure sensor (permanently connected to the handset)
 - 1 x Charger
 - 1 x Battery (inside the handset)
 - 4 x Adapter for on-shore connection/on-board supply system for charger
 - 1 x Tool to release the cylinder pressure sensor
 - 1 x Ultrasonic sensor (only MarPrime Ultra®)
 - 1 x Connecting cable for ultrasonic sensor/handset (only MarPrime Ultra®)
- Data transfer cable:
- 1 x RJ 45 Port
 - 1 x USB Port
- 1 x CD to install software onto PC
 - 1 x Instruction manual

