Technical Data

MARIDIS

The MarPrime® system by Maridis GmbH is a simple, user-friendly device for measuring cylinder pressure on every engine with indicator cook. 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. $% \label{eq:corresponds}%$

Maridis GmbH Friedrich-Barnewitz-Street. 4c 18119 Rostock Germany

Technical Data





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

2/3 Sheet

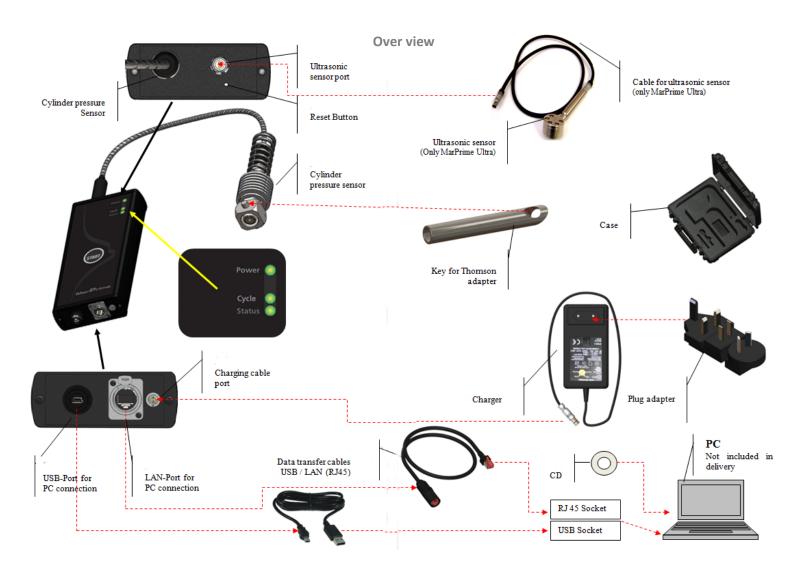
Phone: +4938177893880

Telefax: +4938177893889

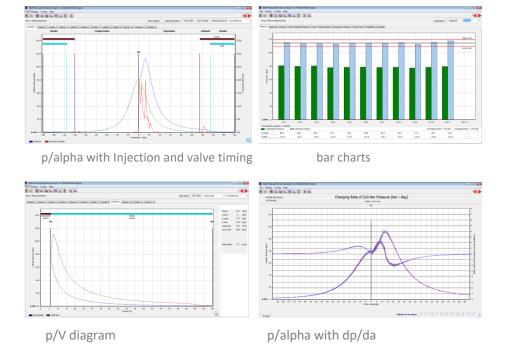
Email: maridis@maridis.de

Technical Data

MARIDIS



MarPrime software screenshots:



Oaner:			Engine Type:						mel	yout: Che	cked by:		
Yard Na.: Turbocharger(s)			Builder: Built year:			Engine No.:		rem deter			_	_	
		Se	Sectal No.		pes.:		ypen jeans:				_		
Make		1	-		10	dinder	Const	ant (N	W, b	w)			
Typ4:						7V91 00					Type		
Max. RP Max. ten					_P	emarks							
Lab. of a			-		+	fuelos	hiere	site	-		at St) °C	_
	******	Brand		Type	_		or 1040		Т		-		
Cylinder					4							_	
Circulati Turbo oi		-	+		+	CHI peri, De	brand		Н	_	Heat value Sulptur %		_
	_	Total	One						ing	au	tupna.	Grane	ie.
Date:		remail a		2.		Dry	at heigh	Canal	***	brute	Man of	Printers.	1
Hour:			fee:			\perp							
Wind	cated				Wel	fective	:				gátión effective		
or E	ind Pr	nei Poo	ind.	Lesis	pe Pu	d pang	VII.	bre	of par	Cook	ng vinder temp	Lubrical	ion at
cy De	Del [M	[14]	DO NO		1	ridex	Policy	Sex	0(1)	10164	spinter (C)	Outlet p	ston fil
2	-	-	-	+	+		-	-	_	-		-	_
	\rightarrow	_	_	_	+		-	-		+		_	
4	\equiv				I								
6	-	_	-	+	+		-	-	_	-		-	_
2	-	_	-	+	+	_	-	-	-	-		_	_
0					$^{+}$								
10	-	_	_	-	Ŧ								
11	-	_	+	+	+		-	-	_	-		+	_
12	-	_	_	_	+								
4170	-	-	-	-	-				-				
Turbine		I transit	Second Second		_	nar!	Coeffre			- ~	- See	bechar ger	_
			icas air temperat istat Safara				Teachtran Ser		2 death rege				
Brace.	Chatlet	en WO	Street 1	Cooks 1		ooler 1	beet	Outs	4	hetet	IPM	MARK C	tithe.
		100			t			_		_		-	
2	- 2	2	2	2	£	2	2	- 2	+	2	2	2	2
3	3	3	3	3	F	3	3	3	+	3	3	3	3
A	4	4	4	4	F	4	4	4	#	4	4	4	4
Esh. pres	s Sci	w. air pre	some	Amilia	or I	hirtego		Lub	icati	on of	pressure)	n bor	7
Receive	1	1.6	eceiver	(liows		oby sh	. 9	-	100	44	(anythin)	Nation of	
ter	+	-	bar		+	-	+		ter	mere	fore in °C	-	+
PERSONAL PROPERTY AND	Dete	Filter A	See Elber	HOAR	4	(enem	-	ingra	-	more.	DURCOR PER	Theretape	=
Date		=			_				Post		-	_	4

engine reports

This information corresponds to the current state of knowledge. $% \label{eq:corresponds}%$

Maridis GmbH Friedrich-Barnewitz-Street. 4c 18119 Rostock Germany Phone: +4938177893880 Telefax: +4938177893889 Email: maridis@maridis.de

3/3 Sheet

www.marprime.com