

EDS Portable

ENGINE DIAGNOSIS SYSTEM

TO CONTROL DIESEL EMISSIONS AND
MINIMISE FUEL & MAINTENANCE COSTS

- > Robust
- > Easy to use
- > Engine performance monitoring software
- > Engine optimised maintenance
- > Lower emissions and lower specific fuel oil consumption



TECNOVERITAS®

Dedicated to innovation

EDS Portable

EDS was developed to deliver more than just cylinders pressure readings, but also manage engine data, allowing a successful condition based maintenance program.

About EDS Mk4

EDS Mk4, as an engine analyser accompanied by a powerful data base and data analysis software.

It allows engine data ambient corrections and turbo charger efficiency monitoring.

Analysis and automatic reports of main engine systems, like fuel injection system and turbo charger efficiency are produced without being a burden to engineers.



Main Features of EDS

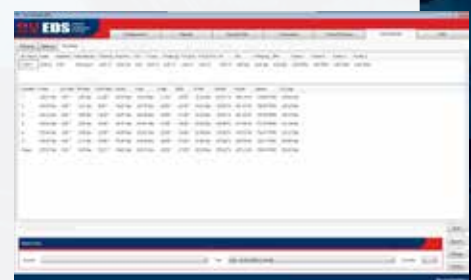
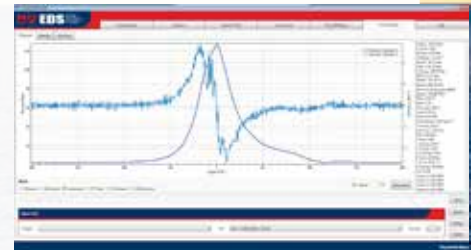
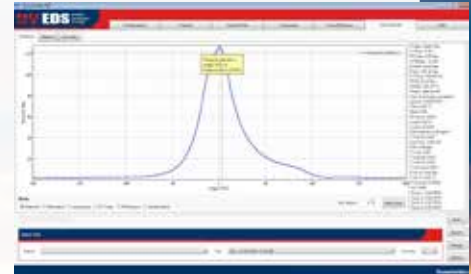
- > Robust;
- > Accurate;
- > High temperature pressure sensor (resonance frequency > 10 kHz);
- > For gas or diesel engines and compressors; The data is easily transferred to a PC for further analysis and auto reporting;
- > Diagrams may be produced with or without TDC tachometer;
- > For low-speed diesel engines an encoder can be included, minimising angle errors;

Technical Specifications

Power Supply	Battery 2 x 7,4V / 2300 mAh
Operation Temperature	-40°C - +85°C
Processor	Texas Instruments
Dimensions (WxHxD), m	220x122x47
Weight	0,9 kg
Memory Capacity	1,0 GB
Display with Back Light	Graphic, 249x128 pixels
Analogue Inputs	2
Input Range	4-20 mA, 0-10 V
Resolution	0.5° - 1.0° degrees crank angle
Accuracy	0,1% FS
Digital Input	1[synchronization, TDC cylinder 1]
Resolution	16 Bit
Cycle	Two or Four Stroke engines
Reciprocating Compressors	Single/Double acting
Speed	50-3000 RPM
Data Content	Speed, Pressure, Temperature, Degrees, Acceleration

Advantages

- > Portable;
- > Easy to use;
- > Engine Performance Control;
- > Multi engine database;
- > Correction of pressures and temperatures to ISO 3046 standard;
- > Closed, open, derivative, 720° diagrams, bar graphs.



ABOUT TECNOVERITAS

TecnoVeritas is a specialist provider of engineering services and solutions to the shore and marine industries, with more than 20 years of experience.

Headquartered in Portugal with a global reach, TecnoVeritas is focussed on emissions and energy management, and has a strong track record of delivering high quality solutions combining innovation with world leading technical expertise.

Dedicated to innovation

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