

Technical Specification

The Standard in Information and Diagnostic Systems

DGA 2500

Operating temperature	5°C to 40°C	
Storage temperature	-20°C to 60°C	
Relative humidity	to 90% non-condensing	
Maximum atmospheric pressure variation	700 - 100mbar	
Gas measurements	Range	Relative/Absolute
O ₂	0% to 25%	± 5% / ±0.1
CO	0% to 9.99%	± 5% / ±0.03
CO ₂	0% to 18%	± 5% / ±0.5%
HC	0ppm to 2000ppm	± 5% / 10ppm
	2000ppm to 5000ppm	± 5% / 10ppm
	5000ppm to 9000ppm	± 10%
NO	0ppm to 5000ppm	± 5% / 25ppm (at room temperature)
RPM	0rpm to 9999rpm	± 1.0%
°C	0°C to 120°C	
°F	14°F to 302°F	
Lambda (λ)	0.500 to 4.000 (calculated)	
AFR	5.00 to 50.00 (calculated)	
Power supply	Dimensions	
Voltage	115/230V	Height (including monitor) 1470mm (+/-)
Range	90 - 260V	Width 790mm
Current	7.5/6A	Depth 690mm
Frequency	47 - 63Hz	

DGA 2500 Combi (includes DSS 10 Smoke Meter)

Dimensions	190 x 123 x 145mm	Resolution (m⁻¹)	0.01m ⁻¹
Weight	3.5kg	Smoke Density Range (%)	0 - 100%
High Voltage Power Supply	115 / 230V ~ 50 / 60Hz (+15% / -10%) from DGA 2500 ¹	Resolution (%)	0.1%
Low Voltage Powerful Supply	15V ac from external power supply unit	Accuracy	< 1.5%
Data Connection	RS-232	Operating Temperature	-15°C - +40°C
Smoke Density Range (m⁻¹)	0 - 9.99m ⁻¹	Storage Temperature	-32°C - +50°C
		(* dependent on the external power supply, non switchable)	

DGA 2500 / DGA 2500 COMBI

Diagnostic Gas Analyser and Combined Smoke Meter



- MOT approved
- Expandable
- Easy
- Upgradeable
- Fast



Sun Diagnostics U.K.
 Horsley's Fields, King's Lynn,
 Norfolk PE30 5DD
 T: +44 (0) 1553 692422
 F: +44 (0) 1553 774682
 E: techsales.uk@snapon.com
 W: www.sun-diagnostics.com

The manufacturer reserves the right to change or delete models and/or specifications without prior notice. All dimensions and drawings within this publication are a guide only, before carrying out any civil works, always obtain the current installation drawings from the service department. Nothing contained within this publication is intended to extend any warranty or representation, expressed or implied, regarding the products described herein. Any such warranties or other terms or condition of sale of products shall be in accordance with Snap-on/Sun Standard Terms and Conditions of Sale for such products, which are available on request. Snap-on and Sun are registered trademarks.

flexibility, adaptability, profitability



Introduction

The DGA2500 / DGA2500 Combi is the emissions module of NEXUS, the Sun Diagnostic Platform, and from the outset, the development program focused on achieving goals set by design criteria. These were fast warm up and initialisation, simple and easy to use programs, upgradeable through multimedia software packages for database information and functionality; and expandable, a true diagnostic platform that will grow with your business.

The DGA2500 successfully addresses all the above design criteria, whilst maintaining the assurance of Sun reliability, service, outstanding quality and great value.

For your copy of NEXUS™, the Sun Diagnostic Platform
 T: 01553 692422 E: techsales.uk@snapon.com.



Features

Feature	Benefit	Advantage
Sun Diagnostic Platform	Expandable	Modular configuration allows the DGA2500 / DGA2500 Combi to grow to meet your business needs
Windows Program and Operating System	Simple easy to use and follow screen prompts	Less user training required, using clear icon driven images and procedures
Internet and Multimedia capabilities	Upgradeable with software via quick downloads or disk formats	Powerful information and software packages that keep your technicians informed and productive
Dell® Intel Processor PC	Industry standard reliability and durability	Fast, accurate processing of data and test procedures

EXPANDABLE EASY UPGRADABLE FAST

Configuration

Feature	DGA2500	DGA2500 Combi	Optional Features DGA2500 / DGA2500 Combi
Dell® Intel Processor PC	•	•	
17" SVGA Colour Monitor	•	•	
Colour Ink Jet Printer	•	•	
USB RPM & Oil temperature module	•	•	
Robust, mobile cabinet	•	•	
USB Gas bench	•	•	
Windows program and operating system	•	•	
DSS10 Smoke Meter		•	
S.A.I.S Information system subscription			•
EuroTech Helpline subscription			•
PDL2000 Colour Graphing Scanner			•
TechWare PDL2000 link			•
SIA3000 Ignition Analyser			•

Optional Features

S.A.I.S SUN AUTOMOTIVE INFORMATION SYSTEM

This fast, icon driven and user friendly information system software provides comprehensive and detailed vehicle data.



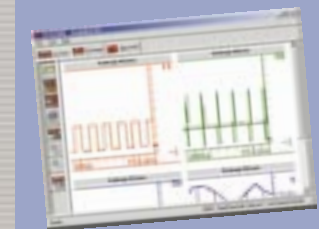
THE SUN EUROTECH CENTRE

The Sun Eurotech Centre is a subscription based Help Line facility for the busy technician in the workplace to call on when required.



TECHWARE LINK TO PDL 2000

TechWare is a Windows based link between the PDL 2000 and Nexus™.



PDL 2000 SUN HAND HELD SCAN TOOL

The very latest development in the Sun Scan Tool range, the PDL 2000 has a clear colour LCD display.



SIA 3000 SUN IGNITION ANALYSER

An accurate ignition analyser, the Sun SIA 3000 provides detailed engine information, displayed via the large Nexus™ colour monitor.

