

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



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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.



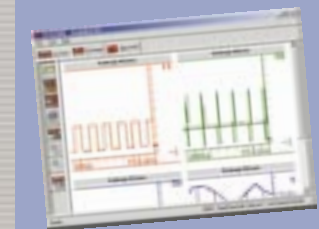
THE SUN EUROTECH CENTRE

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.

