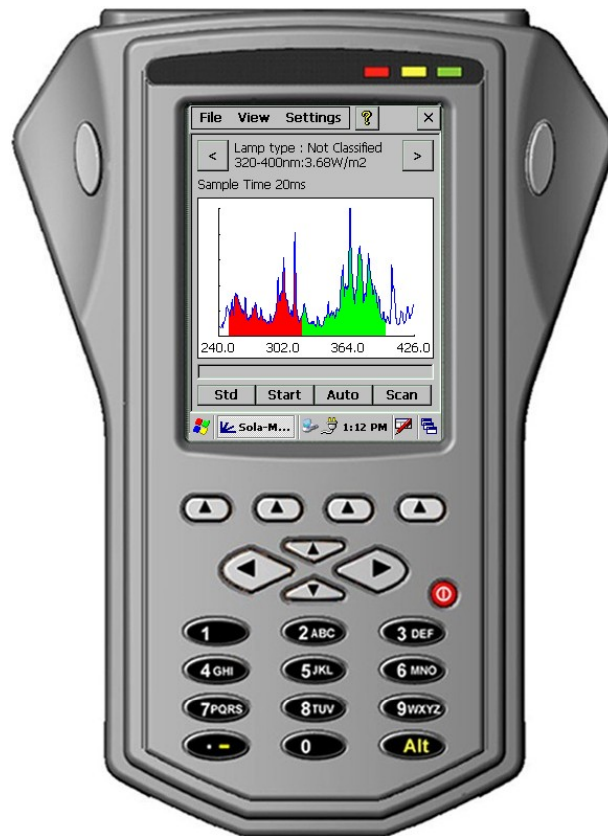


YOUR UV SYSTEM UNDERSTOOD & UNDER CONTROL



**Portable, Rugged,
Hand held Spectroradiometer**

Your UV System:

- Measured
- Quantified
- Monitored
- Recorded
- Stored
- Compared
- Analysed
- Downloaded

All you want to know about your UV lamp's condition & performance



Whatever your UV process, you will benefit from the Sola-Check System

Printing/Lacquering



Adhesives & bonding



3D Coating



Wood Coating



The Sola-Check System provides **Full Spectral Analysis** Simply and Accurately

A range of probes and accessories are available to enable simple access to the UV lamps for routine measurement

Check UV lamps regularly to :

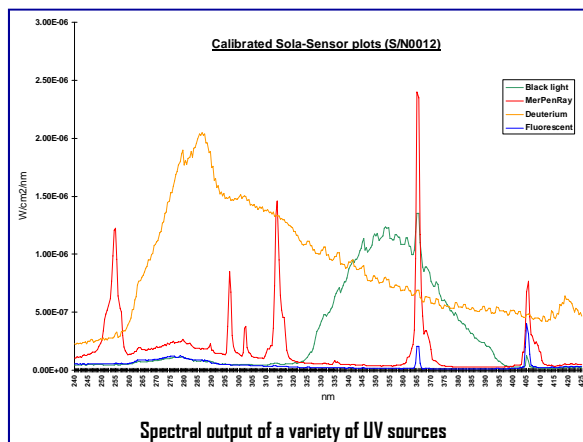
- predict lamp failure.
- minimise lamp replacement costs.
- avoid costly downtime and scrap.
- troubleshoot the process.
- Download data using the PC software.
- quality control your UV process.

UV IS **NOT** A NUMBER..

...UV IS A **SPECTRUM**

The Sola-Check System records the spectrum and provides radiometric data in user-defined ranges.

For product development the Sola Check identifies important wavelengths for the development of effective UV chemistry to suit the UV process requirement.



Application: **UV CURING**



YOUR UV SYSTEM UNDERSTOOD & UNDER CONTROL

Use the power of the Sola-Check System for your UV Process Development and Control. The Sola-Check System provides resolution at 0.5nm and programmable radiometric bands for detailed spectral analysis of the UV Source.



The Sola-Check System is a hand held, rugged device, highly portable and supplied in its own robust carry case with all cables, software, accessories and operating manual.

The intuitive Windows CE software guides the user by keypad and touch screen through the UV scanning, data storage and analysis of the UV spectrum. Help menu assists the inexperienced user at all stages.

The accompanying Sola-File Manager software enables fast download to PC and manipulation of the data files for efficient recall and quality assurance of UV data. Data is automatically transferred into Excel via Windows 2000 or Windows XP platforms.

SOLA-CHECK SENSOR

OPTICS

- ❑ Single Grating spectrograph optimized For UV spectroradiometry using patented Solatell™ monolithic optics with 512 pixel UV array
- ❑ Cosine response domed diffuser.
- ❑ Selection of wavelength ranges between 235nm to 470nm depending on application.
- ❑ 0.5nm spectral sampling.
- ❑ 1nm bandwidth (+0.5nm/ -0nm).
- ❑ <10nW/cm2/nm sensitivity.
- ❑ >10⁷ Dynamic range.
- ❑ >10³ Stray Light Rejection ratio.

MECHANICAL

- ❑ Non-slip, tough ABS with aluminium housing.
- ❑ IP55, standard.
- ❑ 118x69x32mm.
- ❑ -20°C to +70°C storage.
- ❑ -10°C to +50°C operating.
- ❑ +15°C to +30°C full spec.
- ❑ 0 to 80% non condensing.

ELECTRICAL

- ❑ Internal 3V NiMh sealed battery pack.
- ❑ External +12V dc power supply (supplied) or +5V dc; +/-5%; 35mA supplied by Sola-Manager.
- ❑ RS232 serial printer drive.

USER INTERFACE

- ❑ Sample time by Auto Ranging and Smart-Scan.
- ❑ 32x97 pixel graphical display plus icons for charge state, memory, signal and real time clock.
- ❑ 7 button membrane tactile, sealed keypad.

Standard configuration includes:

Sola-Sensor, Sola-Manager, Battery Pack, Power Adapter/Battery Charger, Mains Power Cable, Communication Cable, PC Download USB Cable, Hand Strap, Touch Screen Pen and User manual.

Note: Due to Solatell Ltd policy of continuous product improvement, specification is liable to change without notice. Please consult your supplier, or Solatell Ltd direct for clarification if necessary. Patents granted or pending on Solatell technology in more than one country. As a general measuring instrument, Solatell Sola-Sensors require periodic recalibration, usually annually.

SOLA-MANAGER

ENCLOSURE

- ❑ 186x93mm (narrowest point; 186x134mm (widest point).
- ❑ 700g weight.
- ❑ ¼ VGA colour touch screen.

ENVIRONMENTAL

- ❑ 2 metres drop test to Mil 810 spec.
- ❑ IP65 Dust and Water proof sealing.
- ❑ -10 to +50°C Operating Temperature.
- ❑ -20 to +60°C Storage Temperature.

SYSTEM

- ❑ 400 MHz X-scale – Intel PXA255 processor.
- ❑ Windows CE Net v4.2 Operating System.
- ❑ Li-Ion smart battery pack.
- ❑ Battery recharge via mains adapter.
- ❑ User indicators Red, amber, green LEDs.
- ❑ Communication via Active Sync.
- ❑ 23 key matrix keypad including alpha numeric keys, function keys and rapid fire keys.

MEMORY

- ❑ 32 Mbyte SDRAM.
- ❑ 32 Mbyte Flash Storage.
- ❑ PCMCIA Type II PC Card.
- ❑ Compact Flash Type II CF Card.
- ❑ MMC/SD Memory Card.

CONNECTIVITY

- ❑ USB 1.1

Application: UV CURING

Solatell Ltd

King Henry's Drive
Croydon, CR9 0BG
United Kingdom

Phone: +44 (0) 1689 808 033

Fax: +44 (0) 1689 845 117

E-mail: Salesteam@solatell.com

www.solatell.com