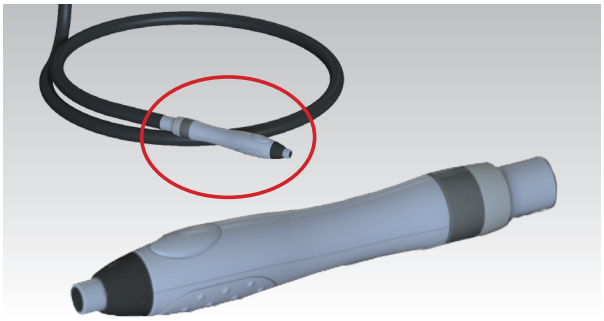
SOLAR® LIGHT

Poly602®
Polychromatic HDRS
Clinical Research Testing

Hybrid Diffuse Reflectance Spectroscopy (HDRS) non-invasive SPF method, in accordance with the ISO 23698:2024 standard, provides UVA_{PF}, SPF and Critical Wavelength results while eliminating the ethical and safety considerations present with current erythema *in vivo* test methods. Solar Light has developed this disruptive technology to augment its own technology used in the industry for the past 50 years.

As the Global Leader providing the current gold standard for SPF measurements today, Solar Light has developed the fastest performing HDRS instruments on the market, keeping product research, formulation and clinical testing in mind. HDRSplus™ software is designed specifically for a clinical testing laboratory environment and simplifies all HDRS calculations.

Solar Light - Poly602®



Ergonomic Design, Glowing Indicator

APPLICATIONS

- ISO 23698:2024 SPF Measurement Standard
- Clinical Testing for Static, WR SPF, $UVA_{PF,}$ and Critical Wavelength
- Spreading Analysis Used for Technician Training

FEATURES

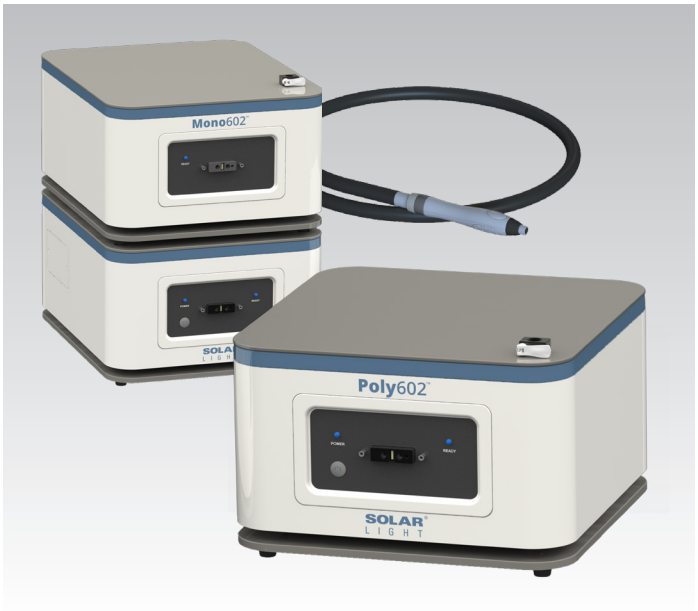
- Rapid SPF and UVA_{PF} Results
- Typical 3-4 Seconds per Measurement
- Easy SPF & *In Vitro* Data Handling & Results
- Integrated Data Processing System, Automated Computations and Data Reporting
- Non-Invasive (No Skin Erythema)
- ISO 24442 Compliant Spectral Output at a Fraction of the Intensity
- Total Energy is Below the International UV Safety Measurement Threshold Minimums and Does Not Require Technician or Subject Safeguards
- Subjects May Participate in a HDRS Test Once Per 7 Days
- Laptop and HDRSplus™ Software Included
- Visual Indicator for System Ready and Measurement Status
- Small Footprint to Minimize Bench Space

100 East Glenside Avenue • Glenside, PA 19038 • USA • P 1.215.517.8700 • F 1.215.517.8747
www.solarlight.com • info@solarlight.com • www.youtube.com/user/SolarLightCoInc

CE

SOLAR® LIGHT

Poly602®
Polychromatic HDRS
Clinical Research Testing



Model 602 Series - Mono602® and Poly602®

SOLAR LIGHT'S HDRS PACKAGE INCLUDES

- Poly602® HDRS Instrument
- Solar Light's LS1000 Pre-Irradiation Solar Simulator
- Solar Light's SPF290 UV Transmittance Analyzer
- PMMA plates; Sandblasted or Molded
- RestAssured® Service, Maintenance and Warranty

IQ/ OQ

- Ensure your Scientific Readings Meet Rigorous Standards with our Comprehensive Instrument Qualification and Operational Qualification Services

TRAINING

- Available Remote or On-Site for Instrument Operation and Maintenance
- ISO 23698:2024 Procedure
- ISO 24442, 24443, 24444 Procedures

DRS KIT INCLUDES

- Poly602® Instrument
- Fiber Optic and Wand
- Power and Interface Cable
- Laptop Computer with HDRSplus™ Software

SPECIFICATIONS	
Model Number	Poly602®
HDRS Spectrum	320-400nm
Operating Conditions	15 to 35°C [59 to 95°F] <90% RH, Non-Condensing
Power	110-240 VAC, 50/60 Hz, 7 A max
Communications	USB
Dimensions	Height: 26.2 cm [10.3 in]; Width: 40.6 cm [16 in]; Length: 40.6 cm [16 in] Allow Additional 8 cm [3in] Clearance for Rear Connections and Cooling Airflow
Weight	15.4 kg [34 lbs]
Fiber Optics	Bifurcated Bundle with Integrated Wand Length: 1.8 m [70.5 in]
Performance	Meets ISO 23698:2024 Standard
Time Needed to Complete a Panel	8 Hours for 10 Subjects, 8 Test Products
Exposure Level to Eyes & Skin	Does Not Exceed the Recommended Occupational Exposure Limits*
Remote Acquisition Control	Includes Wand, Foot Pedal and Keyboard Control

**According to BS EN62471:2008 Safety Standard and the American Conference of Governmental Industrial Hygienists (ACGIH) guidelines.*

***US and Foreign Patents Pending*

Literature: 210157 | Revision Level: D | Specifications subject to change without notice as a result of continuous product improvement.

100 East Glenside Avenue • Glenside, PA 19038 • USA • P 1.215.517.8700 • F 1.215.517.8747
www.solarlight.com • info@solarlight.com • www.youtube.com/user/SolarLightCoInc

CE