ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

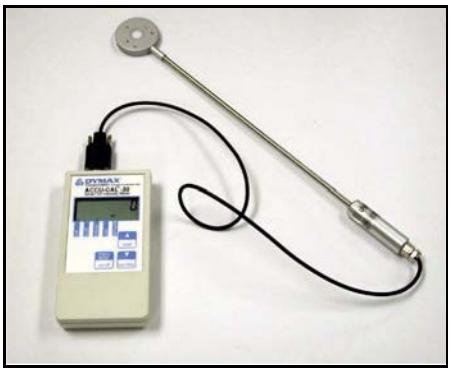
All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Find the *Dymax Accu-Cal 30* at our website: *Click HERE*

ACCU-CAL™ 30 RADIOMETER

The Essential Process Control Tool CE Marked

Curing Process Control: Consistent light curing results depend on controlling the curing process by monitoring intensity. Regular and accurate monitoring of the curing light is critical for good process control. However, the power of radiant energy from high intensity UV and/or visible curing lamps can subject conventional radiometers to aging and drift thus risking unreliable measurement. The ACCU-CAL™ 30 intensity meter from DYMAX utilizes a new type of sensor that is more durable and more accurate with better capacity to withstand high power UV radiation and high temperature. This is accomplished with the use of a crystal that transfers light energy through a fiber optic cable to deliver light to the photo diode, removing the sensitive photo diode from heat.



BENEFITS

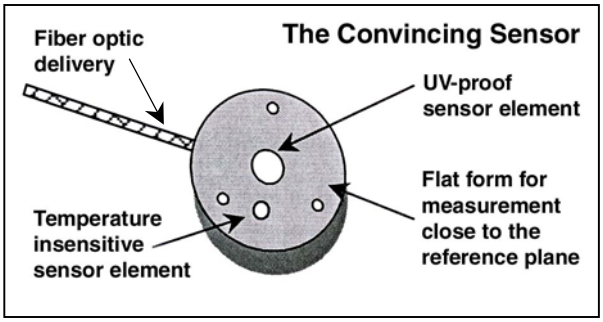
- Saves cost and production down time – calibration required only once a year
- Consistent readings – resistant to aging and drift
- Durable temperature resistant sensor
- More accurate measurement of light
- Sensors match spectral output of adhesive curing lamps
- PTB and NIST traceability
- Comes in sturdy carrying case

IT'S AS EASY AS 1, 2, 3…

TO HAVE A CONSISTENT AND REPRODUCIBLE CURING PROCESS

1. Empirically determine the amount of light curing energy needed to completely cure the resin under desired (or actual) production conditions.
2. Measure the intensity of the incident curing light* at the actual distance used in the production process. (Do not rely on the stated wattage of a bulb. Measured intensities are very different than input watts.)
3. Either replace the bulb when the intensity falls below that required **OR** increase the exposure time to keep the number of Joules received above the minimum energy needed.

**Use the right lamp. Measuring total radiant energy can also be misleading. High UVC intensities are needed for many UV Inks. However, they can be harmful when bonding with UV, UV/visible and visible curing adhesives.*



FEATURES

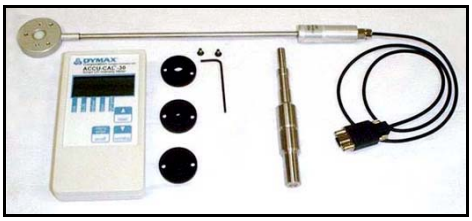
- Measures in the mW/cm² and J/cm²
- Measurement range up to 40,000 mW/cm²
- Sensor element withstands up to 200°C
- Connects to measurement heads for visible (Blue) or UVA
- Compact hand-held, battery operated
- Large display and traceable calibration
- Feature to lock in peak intensity

SPECIFICATIONS

The ACCU-CAL™ 30 consists of a microprocessor-controlled optometer, displaying large 9 mm figures and a wide spectrum, with your choice of visible (Blue) or UVA energy detectors. The stop/run function allows measurement to be continuous or "frozen". Compact battery operated device is designed for one-hand operation. The measurement head is connected through a spring-latched plug. The 50 cm rigid sensor is temperature resistant to 200°C. Together with the signal lead, the total length is 1 m. At only 8 mm high, light intensity can be measured very close to the plane of the reference surface.

The ACCU-CAL™ 30 is CE marked. Calibrated sensors meet PTB and NIST traceability requirements.

Measuring Range for UV Irradiance	Maximum 40,000 mW/cm^2
UV Irradiance Resolution	1.0 mW/cm^2
Diameter of Measuring Aperture	4.6 mm
Operating Temperature Ranges	Optometer: +5 to +40°C Detector: 120°C, peak 200°C
Functions	On/Off, Stop/Run
Power Supply	Common 9-volt battery, 500 mAh with approximately 100 hours operating life
Detector Dimensions	D = 37mm; H = 8 mm; "cable length = 1 m
Optometer Dimensions	120 mm L x 65 mm W x 23 mm H
Calibration	Irradiance in mW/cm^2 with certificate



ACCU-CAL™ 30 Radiometer models are available for measuring spot and flood lamps – *see chart below*

Product	Part Number	Measured Wavelength Range (nanometers)	Description
***ACCU-CAL 30* for Flood Lamps** Complete with UVA Sensor	**38301**	320-395 nm	Optometer and UVA detector head fits most UV adhesive applications
***ACCU-CAL 30* for Spot & Flood Lamps** Complete with UVA Sensor	**38302**	320-395 nm	Optometer and UVA detector head fits most UV adhesive applications*
***ACCU-CAL 30* for Flood Lamps** Complete with VIS (Blue) Sensor	**38376**	400-470 nm	Measures visible (blue) light for visible cure adhesive applications only
***ACCU-CAL 30* for Spot and Flood Lamps** Complete with VIS (Blue) Sensor	**38377**	400-470 nm	Measures visible (blue) light for visible cure adhesive applications only*
Spot Light Maintenance Kit	**38382**	N/A	For checking light guide transition

**Includes adapters for 3 mm, 5 mm and 8 mm lightguides and a lightguide simulator for measuring direct lamp intensity as compared to lightguide transmission*

IMPORTANT: *The calibration of the detector heads to the base unit will be performed after order. Subsequent orders of additional detector heads will cause the need for sending back the base unit as well.*

© 2001, 2005 DYMAX Corporation
Please note that most dispensing and curing system applications are unique. DYMAX does not warrant the fitness of the product for the intended application. Any warranty applicable to the product, its application and use is strictly limited to that contained in DYMAX's standard Conditions of Sale. DYMAX recommends that any intended application be evaluated and tested by the user to insure that desired performance criteria are satisfied. DYMAX is willing to assist users in their performance testing and evaluation by offering equipment trial rental and leasing programs to assist in such testing and evaluation. Data sheets are available for valve controllers or pressure pots upon request. LT055.DOC Rev. 07/08/05

DYMAX Corporation - 51 Greenwoods Road - Torrington, CT 06790 - Phone: 860-482-1010 - Fax: 860-496-0608
E-mail: info@dymax.com - www.dymax.com

DYMAX Europe GmbH - Trakehner Strasse 3 - D-60487 Frankfurt am Main - Germany - Phone: 0049-69-7165-3568
Fax: 0049-69-7165-3830 - E-mail: dymaxinfo@dymax.de – www.dymax.de

DYMAX Changzhou High Tech Adhesives Coatings LLC - Building 25, No. 65 XingGang Road, ZhongLou Economic Development Zone
Changzhou, Jiangsu, China 213014 - Phone: (86)-519-390-1238 Fax: (86)-519-390-1239 - E-mail: simon_ang@dymax.com – www.dymax.com/cn

DYMAX Adhesives and Light Curing Systems
www.dymax.com

DYMAX®, Light-Weld®, Light-Welder®, Multi-Cure®, Ultra Light-Weld®, *MEDI-CURE*® and MD® are trademarks of DYMAX Corporation

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP