PRODUCT SUMMARY L-4061

Q-Lab Corporation

Material Durability Testing Products Since 1956

Q-Lab is a world leader in weathering, light stability, and corrosion testers and standard test substrates. We offer outdoor exposure testing at our benchmark facilities in Florida and Arizona. Contract test services, including accelerated laboratory and physical property testing and evaluation, are also available. The quality and reliability of our products and services have established our reputation as "the most trusted name in weathering."

QUV

The QUV accelerated weathering tester reproduces the damage caused by sunlight, rain and dew. In just a few days or weeks, the QUV tester can reproduce the damage that occurs over months or years outdoors.

To simulate outdoor weathering, the QUV tester exposes materials to alternating cycles of UV light and moisture at controlled, elevated temperatures. It simulates the effects of sunlight using special fluorescent UV lamps and uses condensing humidity and/or water spray to realistically replicate dew and rain. Calibration of the device can be performed in minutes by the user. Its simple, proven design makes it easy to install, easy to use, inexpensive to operate and almost maintenance-free. With thousands of testers in use worldwide, QUV is the world's most widely used weathering tester.

Q-SUN

Q-SUN xenon arc test chambers are full-featured lightfastness, colorfastness, and photostability chambers that reproduce the damage caused by full-spectrum sunlight and rain. Their xenon lamps provide the best match to full spectrum sunlight. The testers' optical filters last indefinitely under normal use.

Q-SUN testers allow for control of critical test parameters including spectrum, irradiance, relative humidity, chamber temperature and black panel/black standard temperature. 3D specimens can be conveniently mounted horizontally on the flat specimen trays in the Xe-1 and Xe-3. Thin specimens are mounted vertically on the rotating rack Xe-2 model. Optional water spray and chillers are available. Q-SUN xenon test chambers are the simplest, most reliable, and easiest to use xenon arc testers available.

Q-FOG

Q-FOG cyclic corrosion chambers provide the best possible laboratory simulation of natural atmospheric corrosion. Specimens are exposed to a series of different environments in a repetitive cycle that mimics the outdoors. Q-FOG chambers can perform simple, alternating cycles (like Prohesion) as well as more sophisticated methods that call for multi-step cycles.

Q-FOG testers are available in two sizes to fulfill a wide range of testing requirements and conform to many industry standards. Space utilization is maximized and mainten-ance is minimized with the Q-FOG tester's internal solution reservoir. The testers have a low belt line and an easy opening lid for easy sample mounting. Q-FOG cyclic corrosion testers offer state-of-the-art corrosion testing technology, reliability, ease of operation and easy maintenance – all at a remarkably affordable price.

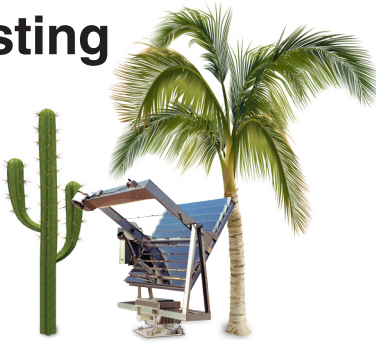
Q-LAB

Contract Laboratory Testing

For those who are interested in accelerated weathering, light stability, and corrosion testing but do not have their own test equipment, we provide a complete range of contract laboratory testing services in our fully-equipped laboratories in Florida and Germany. Q-Lab can also act as an unbiased third party wherever third-party verification of test results is required. Our labs are ISO 17025 accredited.

Q-Lab's wide variety of testing chambers allows us to perform most common industry standards, such as: ASTM, ISO, BSI, DIN, JIS, SAE, AATCC and more. Our laboratories can also perform visual evaluations on property changes, including cracking, blistering, peeling, chalking, adhesion, color change and corrosion. Custom testing programs are available. Mechanical changes can also be evaluated. Backed by decades of experience, Q-Lab experts can help you set up a successful contract laboratory testing program that won't break your budget.

Outdoor Exposure Testing



Q-Lab offers outdoor exposure testing programs at our internationally recognized benchmark locations in Florida and Arizona. Weathering exposures at these sites are not only realistic, they are also accelerated.

The subtropical, sunny, humid and warm conditions in Florida make it the ideal climate for testing the durability of materials in outdoor environments. Arizona's high levels of UV and very hot temperatures make it the perfect location for testing exceptionally durable materials. Q-TRAC natural sunlight concentrator testing is also available in Arizona and results in an average of five times more UV than is received in a similar time in Florida. Test services at both locations use a variety of specimen mounting and exposure techniques to meet a wide array of weathering and corrosion test methods.

For over 50 years, Q-PANEL steel and aluminum test substrates have been recognized as the world standard for a uniform and consistent test surface for paints, adhesives, sealants, and other coatings. Q-PANEL test substrates from Q-Lab minimize metal variability as a source of bias in critical paint, coating and adhesion tests. Thousands of labs around the world use millions of our steel and aluminum panels every year for color development, weathering exposures, corrosion testing, physical property testing and quality control.

Q-PANEL standard test substrates are available for immediate shipment from stock in the US and Europe in a variety of sizes and finishes. Custom panels may also be ordered in a range of shapes, sizes, alloys and finishes including curved, sand-blasted, perforated and pre-painted. Look for the Q-shaped hole. It's our trademark and your assurance of quality.

The Most Trusted Name in Weathering

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