

Standard Features

Full Color 12" Touch Screen Control
Panel Display of All Test Parameters

- Direct Setting and Control of Irradiance
- Direct Setting and Control of BPT/BST
- Direct Setting and Control of Relative Humidity
- Direct Setting and Control of Specimen and Chamber Air Temperature
- Display of Diagnostic Messages
- 14 Factory Pre-Programmed Test Methods
- Space for Several Custom Programs
- Multi-Language Capability (English, French, German, Spanish, Japanese, Chinese, Korean, Turkish)

SmartDamper

SmartLight Monitor

Streaming Data Output USB or Ethernet

Air Heater

Xenon Lamp Cooling System

Air Intake Dust Filter

Three-tier Specimen Rack

Water Purity Indicator

Calibrated Xenon Reference Lamp

Chamber Viewing Door

316 Grade Stainless Steel Test Chamber

Universal Electrical Configurations to Meet Local
Frequency, Voltage, and Electrical Requirements

Meets CE, UL, CSA, ISO and EN Compliance

Sample Management

E-mail Functionality



Optional Features

Auxiliary Lantern

LS-200 Full Spectrum Monitoring Device

Dual BPT and BST Black Panel Temperature
Measurement/Control Including BPT and BST
Sensors

Monitoring of Second Wavelength

LiquiAir Self Contained Xenon Lamp Cooling System

Specific Specimen Surface Temperature (S³T)
Monitoring System

Ambient Air Conditioning Unit (ACU)

XenoCal[®] Irradiance Calibration Device

Filter Combinations		Test Conditions	Irradiance Ranges W/m ²			
Inner	Outer		Wattage	300-400 nm	340 nm	420 nm
Right Light	Quartz	Weathering tests requiring the most precise match to sunlight available	2500 W 7500 W	35 168	0.35 1.68	0.66 2.99
Right Light	CIRA Coated Quartz	Weathering tests requiring the most precise match to sunlight available and lower test specimen temperatures	2500 W 7500 W	35 169	0.34 1.69	0.66 2.99
Type S Boro	Type S Boro	Most common combination for weathering tests (Daylight filter system)	2500 W 7500 W	29 141	0.25 1.26	0.59 2.76
Type S Boro	Soda Lime	Most common combination for lightfastness tests behind window glass	2500 W 7500 W	28 129	0.23 1.10	0.61 2.76
Quartz	Type S Boro	Weathering tests with somewhat more and shorter UV than sunlight	2500 W 7500 W	32 161	0.29 1.50	0.59 2.79
Quartz	Cira on Type S Boro	Weathering tests requiring full spectrum match and/or lower test temperatures	2500 W 7500 W	33 168	0.31 1.57	0.60 2.93
Type S Boro	Soda Lime + Float Glass in Auxiliary Lantern	Common combination for testing European automotive interior trim materials (Requires lantern assembly)	2500 W 7500 W	23 109	0.17 0.82	0.56 2.54
Quartz	Cira on Soda Lime + Float Glass in Auxiliary Lantern	Lightfastness test for automotive interior materials to meet GMW 3414TM		97	0.80	2.20
Quartz	Type S Boro + 335 nm long pass filter in Auxiliary Lantern	Lightfastness test for automotive interior materials to meet Ford FLTM B0 116-01		46	0.38	1.06
HL 35/65/4000	HL 3000/4000	Lightfastness test for automotive interior materials according to ISO 105-B06, VDA 75202 and European company specifications		60	0.55	1.40

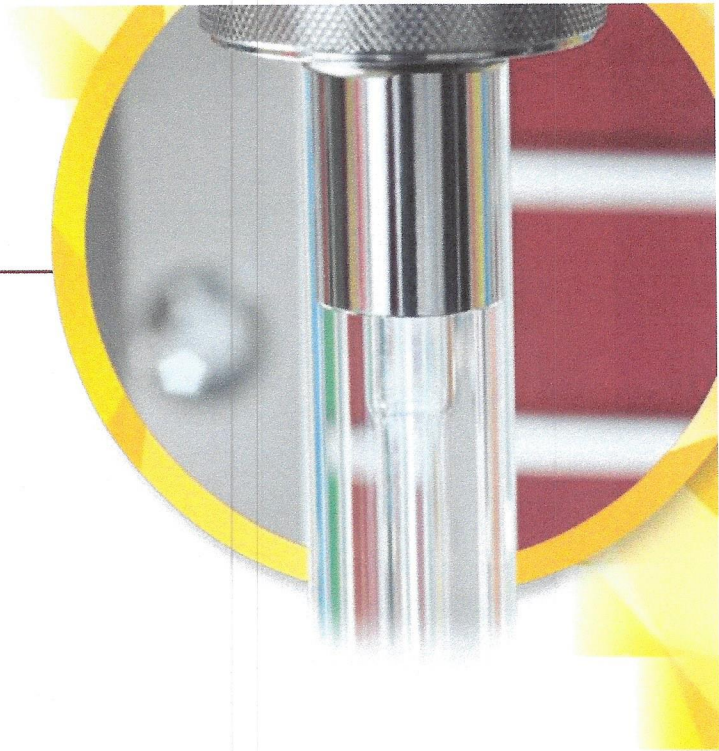
Sunlight Measurements		Irradiance Ranges W/m ²				
		300-400 nm	340 nm	420 nm	300-800 nm	300-2450 nm
Average Optimum Natural Daylight	Measured 45° South Cloudless Miami, FL	28.40	0.30	0.67	287.20	
Peak Natural Daylight	Measured solar noon on Vernal Equinox at normal incidence Miami, FL	66.20	0.70	1.53	617.00	
Peak Natural Daylight Standard	Defined for Horizontal Plane (0°) in CIE Publication No. 85 Table 4	69.20	0.68	1.50	669.70	1087.80

International Standards

The Ci4000 Weather-Ometer[®] meets or exceeds the following industry standards:

AATCC	TM 16.3-2012	TM 16E-1998	TM 169					
ASTM	C1442	C1501	D904	D3424	D3451	D4101	D4303	D4355
	D4459	D4798	D5010	D5071	D5794	D6083	D6551	D6577
	D6662	D6695	D7869	G151	G155			
Ford	FLTM B0-116-01							
GB/T	1865	5137	6151	8427	8430	10485	14522	16259
	16422	16991						
GM	GMW14162		GMW3414TM		GME60292			
Hyundai Motor Co.	MS 210-05		MS 300-31					
ISO	105-B02	105-B04	105-B06	105-B10	11341	3917	4892-1	4892-2
	12040	16474-1	16474-2					
JASO	M 346							
MIL STD	810 G							
Peugeot/Citroën (PSA)	D27 1389							
Renault	D27 1911							
SAE	J1885	J1960	J2412	J2413	J2527			
VDA	621-429	621-430	75202					
VW	PV 1303	PV 3929	PV 3930					

This is a sample of global standards that can be met by the Ci4000. For more information on additional or specific standards, contact your local Atlas representative. Standards are subject to change without notice. This might lead to the inclusion or exclusion of certain standards.



Physical Dimensions

Height	198 cm (76 in)
Width	127 cm (50 in)
Depth	102 cm (40 in)
Floor Space	148 cm (58 in) x 274 cm (108 in) Including Access Area
Total Exposure Area	6500 cm ² (1008 in ²)

Electrical Specifications

Wiring Connections	3 Phase, 3 Wire w/ Ground (3/PE)
Operating Voltage Range	200-250 VAC Phase to Phase
Maximum Current	50 Amps
Frequency	50/60 Hz
Maximum Power	9.5 kW
Wiring Connections	3 Phase, 4 Wire w/ Ground (3/N/PE)
Operating Voltage Range	340-415 VAC Phase to Phase
Maximum Current	47 Amps
Frequency	50/60 Hz
Maximum Power	9.5 kW

Water Consumption

Pressure	138-344 kPa (20-30 psi)	
Flow Rate (max*)	Deionized Water	Tap Water @18.5° C
Humidification	0.2 L/min	
Specimen Spray	0.2 L/min	
Rack Spray	0.2 L/min	
Xenon Lamp Cooling @ 4000W		1.5 L/min

Weight

Weight of Fully Skidded and Wrapped Ci4000	641 kg (1410 lbs)
Weight of Ci4000 without Skid	586 kg (1290 lbs)

* Typical water usage will be less. Tap water requirements for lamp cooling with the LiquiAir system will be near zero.