

UV Detector (6410A)



General Specification

Control mode	Chromloong® software, Independent maintenance software & Third-party software*
Temperature and humidity conditions	5°C-35°C , 25%~85%
Storage conditions	-20°C-45°C , < 60%
Altitude	< 2000m
Power supply	100 – 240 VAC , ± 10 % ; 50/60 Hz
Standards followed	Protection category I, overvoltage category II, moisture-proof level conventional (IPX0)
Dimensions	340 mm(W) × 515 mm(D) × 150 mm(H) , ≈ 14.2Kg

*Please contact local representative of Acchrom Tech to determine the software support policy in your country and region

Performance Specification

Mode of Optic Bench	Dual beams mode
Wavelength ranges	190 - 700nm
Max Sampling rate	200 Hz
Acquisition mode	Single wavelength、 Dual wavelength
Wavelength accuracy	±1 nm
Noise	$\cong 0.25 \times 10^{-5} \text{AU}$
Drift	$\cong 0.8 \times 10^{-4} \text{AU} / \text{h}$
Signal range	0~2.5 AU
Flowcell	10mm optical path (standard) , 1.0 MPa
Calibration	Auto , Hg lamp cal.
Main contact materials	316L SS, PPS, fluoropolymer, PEEK and PEEK blends

Diode Array Detector (6430A)



General Specification

Control mode	Chromloong® software, Independent maintenance software & Third-party software*
Temperature and humidity conditions	5°C-35°C , 25%~85%
Storage conditions	-20°C-45°C , < 60%
Altitude	< 2000m
Power supply	100 – 240 VAC , ± 10 % ; 50/60 Hz,90VA Max
Standards followed	Protection category I, overvoltage category II, moisture-proof level conventional (IPX0)
Dimensions	340 mm(W) × 515 mm(D) × 150 mm(H) , ≈ 14Kg

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Performance Specification

Diodes	1024 units
Wavelength range	190 - 900 nm
Max sampling rate	160 Hz
Lamps	Deuterium lamp 、 Tungsten lamp 、 Hg lamp
Wavelength accuracy	±1 nm
Noise	$\cong 0.5 \times 10^{-5} \text{AU}$
Drift	$\cong 0.4 \times 10^{-3} \text{AU} / \text{h}$
Slit	1nm, 2nm or 4nm, can be switched automatically
Flowcell	10mm optical path (standard)
Calibration	Auto , Hg lamp cal.
Main contact materials	316L SS 、 fluoropolymer 、 Silica glass 、 PEEK

Fluorescence Detector (6440A)



General Specification

Control mode	Chromloong® software, Independent maintenance software & Third-party software*
Temperature and humidity conditions	4°C-35°C , 25%~85%
Storage conditions	-20°C-45°C , < 60%
Altitude	< 2000m
Power supply	100 – 240 VAC , ± 10 % ; 50/60 Hz,450 VA Max
Standards followed	Protection category I, overvoltage category II, moisture-proof level conventional (IPX0)
Dimensions	340 mm(W)×515 mm(D)×318 mm(H) , ≈ 27Kg

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Performance Specification

Lamp	Xenon lamp, Hg lamp (Cal.)
Wavelength ranges	200 - 890 nm , excitation 210 - 900 nm , emission
Max Sampling rate	100 Hz
Bandwidth	15nm or 30nm (selectable)
Wavelength precision	±0.5 nm
Raman signal-to-noise ratio (water)	> 1000 (baseline)
Operation Mode	Single wavelength、 Dual wavelength , Scan
Flowcell	12μl , 1.0 MPa Max (Standard)
Calibration	Auto , Hg lamp cal.
Main contact materials	316L SS 、 fluoropolymer 、 Silica glass 、 PEEK

Refractive Index Detector (6450)



General Specification

Control mode	Chromloong® software, Independent maintenance software & Third-party software*
Temperature and humidity conditions	5°C-35°C , 25%~85%
Storage conditions	-20°C-45°C , < 60%
Altitude	< 2000m
Power supply	100 – 240 VAC , ± 10 % ; 50/60 Hz, 120VA Max
Standards followed	Protection category I, overvoltage category II, moisture-proof level conventional (IPX0)
Dimensions	340 mm(W) × 440 mm(D) × 280 mm(H) , ≈ 13Kg

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Performance Specification

Lamp	Tungsten lamp
Refractive index range	1.00 - 1.75
Max sampling rate	20 Hz
Temp. Range	Above RT 5°C - 50°C
Max allowable flow rate	10 ml/min
Noise	< 2.5nRIU
Drift	< 0.2μRIU
Flowcell	8ul , 0.2 MPa Max
Main contact materials	316L SS 、 Fluoropolymer 、 Silica glass 、 Sapphire

Signal acquisition device (ATD)

Performance Specification

Operation Mode	Single channel , Dual channels
Signal input range	-0.25V - 2.25V
Precision	$\pm 0.1\%$
Resolution	1 μ V
Max Sampling range	100Hz Max
Communication	LAN , Trigger cable
Power Supply	5V DC, +- 5%
Dimensions	170mm(W) \times 127mm(D) \times 56mm(H) , \approx 700g

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