Laboratory Gas Generators

iGen Duo+ ELSD/CAD Nitrogen Gas Generator

Self-Contained Dual Purity Nitrogen Generator

The UltraGen iGen Duo+ Nitrogen generator is specifically designed to meet the gas flow, purity and pressure requirements for LC-MS instruments that require a regular nitrogen supply plus ultra-high purity nitrogen for use with their collision cells.

The iGen Duo+ uses tried and tested separation membrane technology together with our exclusive molecular sieve PSA system and internal compressors to generate both Laboratory Grade Nitrogen and a supply of Ultra-High Purity Nitrogen ($UHPN_2$) on demand, negating the need for two separate generators.

Example Applications: Thermo Orbitrap • Agilent Q-TOF Agilent 6560 • Waters Xevo TQ Absolute



Simple plug-n-play installation

Small footprint

Only 17.5" x 24", saving laboratory space. (17.5"W x 24"D x 43"H). Fitted with heavy duty castors for easy mobility.

Alarmed working status monitoring

Real time monitoring of instrument operational status, with built-in pressure & temperature alarms, plus routine maintenance reminders.

Stable & Reliable Operation

Multi-air compressor configuration automatically matches demand, prolonging equipment service life and enhancing stability.

Advanced moisture monitoring & removal

The iGen QDS utilizes a three-stage water removal system combined with moisture monitoring, providing an efficient water removal system and ensuring dry gas at the output.

Specifications	
Max Flow Rate	N_2 - 45L/min $UHPN_2$ – 500cc/min
Max Pressure	N_2 – 100 psi /7 bar $UHPN_2$ - 100 psi / 7 bar
Purity	N_2 - 96%; $UHPN_2$ - 99.999%
Max Relative Humidity	80% Non-Condensing
Max Altitude	2000m
Particles	<0.01µm
Gas Outlets	1/4 BSP x 6mm
Phthalates	None
Suspended Liquids	None
Operating Temperature	2˚C - 35˚C / 31.6˚F - 41˚F
Electrical Requirements	220VAC ± 10% 50/60Hz 1Ø
Power Consumption	1.2Kw
Dimensions (WxDxH)	455 x 600 x 1090mm / 17.5" x 24" x 43"
Weight	100Kg/220lbs
Noise	≤655Db

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