



Leman Instruments

Application	Gas requirement	Purity	Flow/Capacity	Leman Instruments matching family product	
				Single Gas Generator	Combined Gases Generator
Products for Gas Chromatography					
GC-FID	H2 for fuel Gas	HP 99.999%	30-50	HYDRO50	FIDSTATION ; GCSTATION ; H2 N2STATION
	ZA for flame gas	HC Free	300-500	AERO40	FIDSTATION ; GCSTATION ; PIDSTATION
	H2 for capillary carrier gas	UHP	upto 10cc	HYDRO65	FIDSTATION ULTRA ; GCSTATION ULTRA ; H2-N2STATION ULTRA
	N2 for packed carrier gas	UHP-Zero Grade	20-50	NITROSTATION ULTRA	FIDSTATION ULTRA ; GCSTATION ULTRA ; PIDSTATION ULTRA
	N2 for make-up Gas	UHP Zero Grade	30-50	NITRO50	GCSTATION ; PIDSTATION ; H2 N2STATION
GC FPD	H2 for fuel Gas	UHP	60-90	HYDRO50	FIDSTATION ; GCSTATION ; H2 N2STATION
	ZA for flame gas	HC Free	90-120	AERO40	FIDSTATION ; GCSTATION ; PIDSTATION
GC NPD	H2 for capillary carrier gas	UHP	upto 50cc	HYDRO65	FIDSTATION ULTRA ; GCSTATION ULTRA ; H2-N2STATION ULTRA
	N2 for make-up Gas	UHP Zero Grade	upto 30cc	NITRO50	GCSTATION ; PIDSTATION ; H2 N2STATION
GC ECD	N2 for carrier gas	UHP-Zero Grade	upto 60cc	NITROSTATION ULTRA	FIDSTATION ULTRA ; GCSTATION ULTRA ; PIDSTATION ULTRA
	N2 for make-up Gas	UHP Zero Grade	upto 100cc	NITRO50	GCSTATION ; PIDSTATION ; H2 N2STATION
GC TCD	H2 as carrier gas	UHP	upto 50cc	HYDRO65	FIDSTATION ULTRA ; GCSTATION ULTRA ; H2-N2STATION ULTRA
GC ATD	Dry Air Purge	clean and dry air	< 2L/Min	AERO50	FIDSTATION ; GCSTATION ; PIDSTATION
GC AED	N2 for carrier gas	UHP zero Grade	< 1L/Min	NITROSTATION ULTRA	FIDSTATION ULTRA ; GCSTATION ULTRA ; PIDSTATION ULTRA
GC ELSD,HALL	H2 as reaction gas	UHP	70-200	HYDRO50	FIDSTATION ; GCSTATION ; PIDSTATION
Products for LCMS Instruments					
LCMS API/LCMS	Air for nebuliser gas	Clean and dry air	18L/Min	AERO50	DUO18LCMS
APCI Electrospray	N2 for curtain	HC free 99.5%	5-35L/min	NITRO20	-
LCMS/MS, TOF	sheath shield gas	99%	20,35,60L/min	NITRO18LCMS	NITRO20LCMS ; DUO18LCMS ; TRIO18LCMS
Products for Spectroscopy					
FT-IR Spectrometer	Purge gas for sample compartment, optics, air bearing and microscope	clean air, co2 free	14-85L/Min	AERO50 FTIR	-
NMR Spectrometer	Air for lifting spinning and ejecting	clean and dry air	upto 300L/min	AERO20	-
ICP Spectrometer	N2 for pruge gas	> 99.995%	upto 9L/min	NITRO40 ICP	-
AA spectrometer	Air for oxidant gas	clean and dry air	28L to 200L/min	AERO50	-
Products for Analysers					
TOC	Dry air	clean air, co2 free,	100-500cc-ZA	AERO50 TOC	-
	N2 for carrier gas or combustion gas	UHP	50-700cc-N2	NITRO50	GCSTATION ; PIDSTATION ; H2 N2STATION
THA	ZA for FID	HC free	50-500cc	AERO40	FIDSTATION ; GCSTATION ; PIDSTATION
	H2 for fuel gas	UHP	5-50cc	HYDRO50	FIDSTATION ; GCSTATION ; H2 N2STATION
DSC	Air for air shield	Clean and dry air	100cc	AERO50	FIDSTATION ; GCSTATION ; PIDSTATION
TGA	Dry air as furnace gas	Clean and dry air	100cc	AERO50	FIDSTATION ; GCSTATION ; PIDSTATION
	N2	UHP Zero Grade	100cc	NITROSTATION ULTRA	FIDSTATION ULTRA ; GCSTATION ULTRA ; PIDSTATION ULTRA
TOD	N2 for carrier gas	UHP, Zero grade	300cc	NITROSTATION ULTRA	FIDSTATION ULTRA ; GCSTATION ULTRA ; PIDSTATION ULTRA
CO2 Analyser	caliberation air	clean and dry co2 free, hc free	550-1000cc	AERO60	-
Other laboratory Applications					
Sample preparation	N2 for solvent evaporation	95-99% pure	upto 130L/min	NITRO15LS	-
Auto samplers	air for pneumatic controls	clean and dry air	28L/min	AERO50	-
	N2 for sample injector	UHP	550cc	NITRO50	GCSTATION ; PIDSTATION ; H2 N2STATION
Circular Dichroism	N2	UHP	-	NITRO50	GCSTATION ; PIDSTATION ; H2 N2STATION
ELSD Detector	N2	98%	2-8L/min	NITRO15	-
Particle sizing by laser diffraction	Clean and dry air for nebulising	Clean and dry air	-	AERO50	-