

## Technical specification

DANI GC/TOFMS is a compact, fast acquisition rate and extremely sensitive gas chromatograph coupled with mass spectrometer.

<b>MASTER GC</b>	
Dimensions (WxHxD)	570x500x590mm
Operating Temperature	10-40°C
Operating Humidity	0-90 %
Line voltage requirements	230V~50 Hz (±10% max) 2800W
	115V~60 Hz (±10% max) 2800W
Dimensions (WxHxD)	280x280x160 mm
Capacity	12,50 liters
Max Operating Temperature	500°C
Temperature Programming	25 ramps / 26 isotherms
Heating Rate	140°C/min
Cooling Rate (from 300°C to 50°C)	4 minutes
Maximum Injectors Installed	3
Injectors Available	PTV, Split-Splitless, Packed
Carrier Flow Control	DFC (Digital Flow Control)
Split Flow Control	DFC (Digital Flow Control)
Maximum Detectors Installed	3
Detectors Available	FID, ECD, NPD, PID, FPD, TCD, micro TCD
MS Detector Available	TOFMS
Pressure Control	DFC (Digital Flow Control)

<b>MASTER TOFMS</b>	
Dimensions (WxHxD)	380x220x510 mm
Operating Temperature	23°C ± 5°C
Operating Humidity	40-80 % with no condensation
Mass Range	5 to 1024 amu
Spectra/sec	Up to 1000
Sensitivity	1 pg Octafluoronaphthalene s/n > 10:1 at m/z 272
Resolution	1500
Linearity	10 <sup>5</sup>
Tune mode	Automatic Autotune Manual Tune
Ion Source	EI – Standard CI (+/-) Optional
Vacuum System	Internal Diaphragm Pump 2 Turbomolecular pumps 260-70 L/s
Computer	OS: Windows XP SP2 or above CPU: Dual Core 2 GHz or higher Ram: 2 GB or more HD free space: 500 Mb for installation or more depending of data files requirement USB: 1 x Free Port LAN connection
Electrical Requirements Line voltage requirements	230 V AC 50-60 Hz 500 VA
Exhaust Requirements	NO
Max Operating Source Temperature	220°C
Max Operating Transfer line Temperature	300°C