

Pegasus BTX Specifications

Ionization Source	Electron Ionization (StayClean® Direct Extraction open style)
Detector	Scintillator - Photomultiplier Tube with extended lifetime
Mass Analyzer	Time-of-Flight Mass Analyzer with Dual Stage single Reflectron
Mass Range	10 - 1500 m/z
Mass Resolution	>1,100 at m/z 219
Spectral Acquisition Rate	1-500 spectra/second - up to 35,000 transients/second
Detection Limit (GC carrier gas - Helium)	10fg OFN with Quant S/N > 10
Detection Limit (GC carrier gas - Hydrogen)	10fg OFN with Quant S/N > 10
IDL	< 4fg for 8 replicates of 10fg OFN injected
Precision	< 5% RSD for 15 injections of 100fg OFN
Linear Dynamic Range	5 orders of magnitude