

Q Magnetics QM-125

125 MHz Permanent-Magnet Benchtop Proton NMR Spectrometer

Powerful High-Field Benchtop NMR Ready for your Lab or Process

Q Magnetics now offers an NMR spectrometer with the highest magnetic field of any benchtop NMR, the lowest LOD (limit of detection), and by far the lowest cost per MHz. It is cryogen-free and easy to use. It's low-volume sample loop is convenient for walk-up use and for integration.



Specifications

- Operating Frequency of 125 MHz +/- 2MHz
- Cryogen-Free 2.94 Tesla Permanent Magnet
- Linewidth and Resolution:
 - < 0.55 Hz at 50% (4.4 ppb)
 - < 18 Hz at 0.55%
- Sample loop volume 0.36 mL, 1.0 mm ID
- Minimum sample volume 5 μ L
- LOD @ min. sample vol. = 23 nmol
- SNR > 2810 CHCl
- SNR > 14, 1% ethyl benzene
- Standard 1/16" front panel fluid fittings
- Weighs only 62 lbs, 28 kg
- Dimensions 37 x 34 x 30 cm (d, w, h)
14.5 x 13.4 x 11.8 in
- Open hardware API for easy integration
- Fast USB-3 interface

The QM-125 sets a new standard for convenience in benchtop NMRs. Just draw a few tenths of a milliliter from your system with a syringe, inject it into the sample loop, and press "Start" to make a spectrum. There is no need to fill and clean NMR tubes. The QM-125 requires no reconfiguration for sample-delivery-by-flow, the preferred operating mode for automated or semi-automated benchtop NMR. The 0.36 mL fluoropolymer sample loop has minimal parasitic volume, and it can be changed quickly without disturbing the magnet.

 **Q Magnetics**

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