

RAMAN WALKUP ALL-IN-ONE (WAIO)

with TouchRaman BallProbe technology



The MarqMetrix® Raman Walkup All-In-One is everything needed to make safe, high-quality Raman measurements.

The rugged design is intended for high-traffic multiuser facilities, but is equally capable as a benchtop research instrument.

The WAIO was designed specifically for use with the patented MarqMetrix BallProbe®, enabling TouchRaman® functionality in an easy to use, laser safe instrument (Class I laser device).

TouchRaman gives experts and non-experts equal ability to take the same high-quality, reproducible measurements by simply touching the sample and acquiring the data.

Performance

Excitation Wavelength	785nm
Excitation Power	10-450mW
Detector	Thermally Stabilized CCD (2-stage TEC)
Spectral Range	100-3250cm ⁻¹
Resolution	~6cm ⁻¹ average across spectral range
RMS Dark Noise	<16.5 Counts @ 10 sec integration

Physical

Size	X H 50cm Y W 30cm Z D 30cm
Operating Temperature Range	15°C to 33°C
Operating Humidity Range	Non-condensing
Probe	MarqMetrix Process Fiber BallProbe® - 0.25 in.

Electrical

Input Voltage	90-264 VAC 50-60Hz
Operating Voltage	12VDC, 2A

Product Safety

Safety Features	Keyed laser interlock switch, laser safe shield interlock, electronic laser trigger
Laser Certification	Class 1 Laser product reported to the FDA

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The MarqMetrix Raman Walk Up All-In-One is the most accessible Raman unit on the market: powerful, affordable, safe and easy to use.

Combined into a single Class 1 laser device, the WAIO includes spectrometer, laser, TouchRaman BallProbe, and acquisition computer.

**Plug in. Measure accurately.
There is no step three.**



Onboard Control System

Software	MarqMetrix Raman Suite
Controller	Integrated PC (Windows 10 OS)
Onboard Storage	128 GB standard
Onboard I/O	1 RJ-45 Ethernet Port 3 USB 3.0
Video Output	1 Display Port 1.1 (VGA, DVI or HDMI with Adaptor)

Included Peripherals


Wireless keyboard, Mouse, HDMI cable, Monitor



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MARQMETRIX

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