RAMAN WALKUP ALL-IN-ONE (WAIO)

with TouchRaman BallProbe technology

MARQMETRIX
MEASUREMENT MADE SIMPLE

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	6.5cm^{-1} average across spectral range
RMS Dark Noise	≤16.5 Counts @ 10 sec integration

Electrical

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

Physical

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

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

The power of Raman, the simplicity of MarqMetrix

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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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