



WALKUP ALL-IN-ONE

with TouchRaman® BallProbe® technology

FDA-APPROVED CLASS 1 LASER DEVICE

The MarqMetrix® Raman Walkup All-In-One (WAIO) allows experts and non-experts to safely walk up and take the same high-quality, reproducible measurements in high-traffic multiuser facilities.

An interlocking door feature makes the WAIO a laser-safe instrument (FDA-approved Class 1 device). WAIO's enclosure offers additional safety by containing laser light.

WAIO measures 30cm by 30cm, at a height of 50cm, making it easy to place at the point of need.

The WAIO was designed specifically for use with the patented MarqMetrix .25 in. diameter BallProbe®, enabling TouchRaman® functionality. TouchRaman gives experts and non-experts equal ability to easily take high-quality measurements by simply touching the sample and acquiring the data.

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.

FEATURES & BENEFITS

- Easy to use, laser safe instrument
- Non-destructive and immediate analysis without sample preparation
- Reduces cycle times and increases product yields
- Designed for high-traffic multiuser facilities

APPLICATIONS

- Biopharmaceutical manufacturing
- Pharmaceutical manufacturing
- Food and beverage processing
- Polymer and plastic manufacturing
- Hazardous chemical applications



For more information contact:

206-971-3625

info@marqmetrix.com

The power of Raman, the simplicity of MarqMetrix

Visit MarqMetrix.com



WALKUP ALL-IN-ONE

with TouchRaman® BallProbe® technology



Performance

Excitation Wavelength	785nm
Excitation Power	10-450mW
Detector	Thermally Stabilized CCD (2-Stage TEC)
Spectral Range	100-3250 cm ⁻¹
Resolution	6.5cm ⁻¹ average across spectral range
RMS Dark Noise	≤16.5 counts @ 10 sec integration

Physical Properties

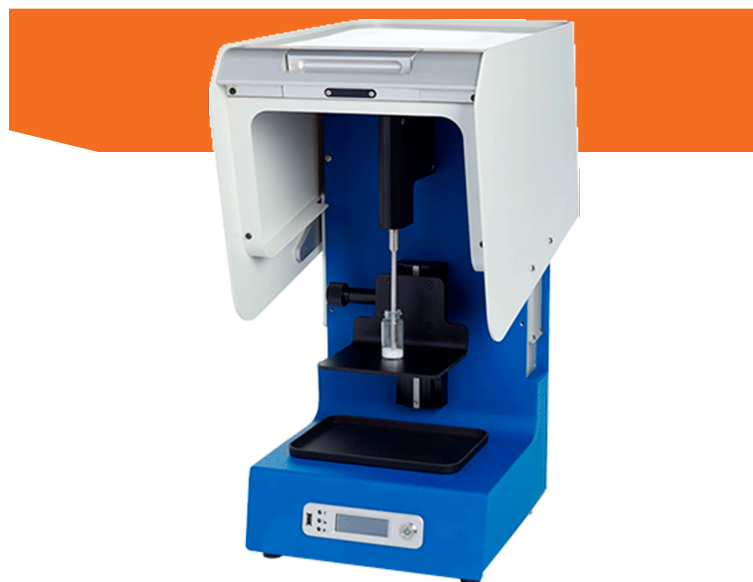
Size	X H 50cm Y W 30cm Z D 30cm
AIO Operating Temperature Range	15°C to 33°C
Operating Humidity Range	Non-condensing
Probe	MarqMetrix BallProbe® 0.25 in.

Product Safety

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

Included Peripherals

Wireless Keyboard, Mouse, HDMI, Monitor



Electrical

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

Onboarding 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)

For more information call:

206-971-3625

info@marqmetrix.com

MarqMetrix.com

8022 v2.1

U.S. Patent No. 6,977,729 B2

