



CONTACT US

PROXIMAL BALLPROBE® (8mm)

A high-performance probe for contactless sampling



HIGH-SIGNAL CONTACTLESS MEASUREMENT

The MarqMetrix® Proximal BallProbe® is our affordable and high-performance solution for demanding biopharma, pharma, food & beverage, and hazardous chemical applications that require Raman measurements without physically contacting the sample.

The probe's 8mm working distance can analyze samples when an air gap or physical barrier is present.

EXCEPTIONAL RAMAN SIGNAL THROUGHPUT

The Proximal BallProbe delivers an extremely high Raman signal throughput, even when the sample is behind windows or semi-opaque walls.

Our proprietary sapphire lens delivers an extremely high and clean Raman signal in the fingerprint region, with throughputs that rival our highest performing TouchRaman® BallProbe end optics.

There is no need to sacrifice range to achieve large volume Raman sampling: when coupled to a MarqMetrix All-In-One Process Raman System, the Proximal BallProbe offers a full spectral range of 100 -3250cm⁻¹. Accurate analysis occurs in seconds, resulting in better real-time decision-making and improved process control.

The simplicity of use allows non-specialists to collect high-quality data

FEATURES & BENEFITS

- Non-contact sampling
- 8mm working distance for measurement through windows, vials, and bags
- High-signal throughput
- Exceptional Raman signal in the fingerprint region

APPLICATIONS

- Biopharmaceutical manufacturing
- Pharmaceutical manufacturing
- Polymers and plastics processing
- Food and beverage processing
- Hazardous chemical applications



For more information contact:

206-971-3625

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The power of Raman, the simplicity of MarqMetrix

Visit MarqMetrix.com



PROXIMAL BALLPROBE®

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The Proximal BallProbe is quick and easy to swap when used with the MarqMetrix InterXc fiber head.

When combined with the MarqMetrix All-In-One, the probe offers higher performance and full spectral range with accurate, precise and reproducible results.

Specifications

Standard Probe Length	4.0in. (101mm)
Sample Working Distance	8mm (.31cm)
Continuous Operating Temperature Range	-20 to 100°C
Beam Spot Size	100µm
Compatible Wavelengths	500-1100nm

Materials of Construction

Probe Dimensions	1/2in. (12.7mm) OD Stainless Steel
Optics	Sapphire sampling lens
Sealing Materials	High temperature composite adhesive

Operating Conditions

Proximal BallProbe is intended for use in non-contact sampling, but will withstand intermittent immersion in mild chemical solutions

Optical Properties

High-performance optics with signal intensities similar to the highest-performing TouchRaman™ BallProbe® end optics

Made with high purity UV-grade sapphire lens aligned along the C-axis, eliminating response variability due to birefringence

Inquire for custom working distance Proximal BallProbe end optics

Related Products

Proximal BallProbe® HV (100mm) - designed for high-volume non-contact sampling

Performance BallProbe® - designed to withstand moderate chemical environments in laboratory and industrial settings

Vial Holder Accessory - allows user to easily make highly reproducible Raman measurements of powders and liquids stored in glass vials



PROXIMAL BALLPROBE®
WITH VIAL ACCESSORY

High performance optic allows analysis through packaging



MARQMETRIX®

For more information call:

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