



MEASUREMENT MADE SIMPLE

CONTACT US



FIBER BALLPROBE®

with TouchRaman® immersion technology

DESIGNED ACCURATE & EASY MEASUREMENTS

The MarqMetrix® Fiber BallProbe® is a complete Raman sampling solution, the link between your Raman analytical system and your sample. Our patented BallProbe technology at the sample interface provides the simplest and most reliable path to making accurate and repeatable Raman measurements.

The MarqMetrix Fiber BallProbe consists of two parts: the FiberHead and the BallProbe. The FiberHead integrates the fiber optics, Raman filters and optical components into a compact ergonomic design. The BallProbe is the sample interface, a patented optical system featuring a high-purity sapphire spherical lens that enables TouchRaman®.

SIMPLY TOUCH & MEASURE

Simply touching the BallProbe to the sample yields highly reproducible sampling of liquids, solids, slurries, powders and heterogeneous mixtures.

The BallProbe is available in a variety of material and diameter configurations to meet the most demanding sampling requirements.

Reduced sampling variation and remarkable ease-of-use in a simple design

FEATURES & BENEFITS

- Accurate and repeatable measurements
- TouchRaman enabled for easy touch measurements
- Reproducible sampling of liquids, solids, slurries, powders and heterogenous mixtures
- Simple design for easy integration and usability

APPLICATIONS

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



For more information contact:

206-971-3625

info@margmetrix.com

The power of Raman, the simplicity of MarqMetrix

Visit MarqMetrix.com







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Fiber BallProbe's FiberHead is available in two models: standard interchangeable for use with multiple probes, or fixed for single-probe use.

The interchangeable FiberHead gives you the flexibility of use in different applications at different points of measurement.

The fixed FiberHead is ideal for established processes where a permanently secured sampling interface is required.

Specifications

Excitation Fiber, Connector	105μm Low-OH, FC/PC
Collection Fiber, Connector	200μm Low-OH, FC/PC
FiberHead Material	Anodized Aluminum
Sample Working Distance	TouchRaman (sample contacts BallProbe lens)
Pressured Design Condition	6,000psi (413 bar)
Compatible Wavelengths	785nm *532nm available as a custom item

Related Products

All-In-One Process Raman System - A single-unit spectrometer, laser, and acquisition computer
Performance BallProbe* - designed to withstand moderate chemical environments in laboratory and industrial settings
Process BallProbe* - our most robust BallProbe, for demanding process or laboratory applications
FlowCell™ - designed for integration into continuous flow chemistry and reaction monitoring applications
BioReactor BallProbe* - designed for bioprocess applications, sterilizable via autoclave/CIP/SIP, compatible with



BallProbe Immersion Optic Models

Zam rese minieralen epite i reaels		
Performance BallProbe® - 0.5 in. (0.5 in. OD, 8.5 in. length)	Hastelloy C276, 8mm spherical optic, epoxy seal	
Process BallProbe® - 0.5 in.(0.5 in. OD, 11 in. length)	Hastelloy C276, 6mm spherical optic, gold seal	
Process BallProbe - 0.375 in. (0.375 in. OD, 8.5 in. length)	Hastelloy C276, 6mm spherical optic, gold seal	
BallProbe* - 0.25 in. (0.25 in. OD, 4 in. length)	Stainless steel 316L, 6mm spherical optic, epoxy seal	
BallProbe® - 0.125 in. (0.125 in. OD, 1 in. length)	Hastelloy C276, 6mm spherical optic, perfluorelastomer (Kalrez*) or gold seal	
FlowCell™	Hastelloy C276, 6mm spherical optic, perfluorelastomer	
BioReactor BallProbe®	Stainless steel 316L, 12mm dia, 220mm or 120mm immersion length, Pg13.5 fitting	
Custom Options Available	Contact MarqMetrix	

For more information call:

standard Pg13.5 ports

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