

VIPTM inline² REFRACTOMETER



2" Sanitary Design
p/n VIP2-3A-2.0

3-A Sanitary Refractometers for Food & Product Safety



Driven by concerns over food and product safety in the dairy, food, beverage, and bio-pharmaceutical industries, 3-A certified sanitary refractometers must meet exacting hygienic standards before they are awarded certification, one of the top honors attainable in the field of refractometry. Needless to say, refractometers carrying the 3-A seal meet the highest level of professional standards for the protection of public health by offering the maximum degree of protection against food or product contamination, resulting in product contact surfaces that can be easily cleaned and sanitized.

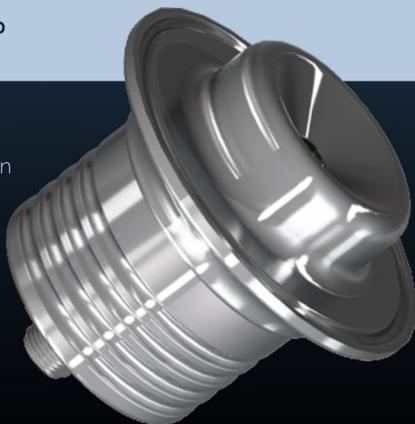
IRIS Smart-Sensor Technology

The new MISCO VIP2-3A inline process refractometers are a great example of the latest advancements in smart-sensor technology. Since the intelligence for processing and communication is contained within the sensor itself, the VIP2-3A refractometers eliminate the need for an external control box. VIP2-3A refractometers can instantly and accurately measure refractive index, temperature correct the reading, convert refractive index into a more user-friendly unit of measure, and then transmit the results to your data capture system.

Fabricated from the highest quality 316L stainless steel, and passivated to provide the best possible surface finish and corrosion resistance, the VIP2-3A inline refractometers are constructed for years of service in hygienic environments. A precision ground sapphire optic, the next hardest substance to diamond, provides a virtually scratch-proof window into your fluid's physical properties.

2" or 2.5" Tri-Clamp
Models Available.

2.5" Sanitary Design
p/n VIP2-3A-2.5



No Control Box Necessary

The new smart-sensor paradigm entirely eliminates the need for a separate external control box. Not only does the VIP2-3A sensor do all the processing and communicating itself, it does so in a smaller size package, with greater concentration, temperature, and pressure ranges and, it is nearly five-times more accurate than its predecessor.

Flexible Communication Options

Each VIP2-3A sensor is equipped with a special communication card that allows it to communicate with the outside world. You may select either analog or digital output. The analog communication card allows the user to select proportional 4 to 20 mA or 0 to 10 Volt output. The digital communication card transmits sensor readings in ASCII text format via a RS232 serial connection. All VIP2 sensors can be connected to the USB port on a Windows® computer, through MISCO Inline Connect™ software, where they can be easily configured and calibrated.

Proudly Made in the United States!

Refractive Index Range:	1.3330 to 1.5000 nD20 (0 to 85 Brix) Equivalent
Resolution:	0.0001 nD20 (0.1 Brix) Equivalent
Precision:	+/- 0.0001 nD20 (+/- 0.1 Brix) Equivalent
Temperature Range:	-20 to 100 °C (-4 to 212 °F) - Scale Dependent
Pressure Range:	0 to 20.68 bar (0 to 300 psi)
Power:	5 to 24 VDC (3 VDC Optional)
Dimensions:	61 mm Tall x 64.1 mm Max Dia. (2.40" x 2.52")
Weight:	0.45 kg (1 lbs.)
Water Resistance:	IP68



www.misco.com

6275 Cochran Road
Solon, Ohio 44139 USA
TEL. 440-349-1500
Toll Free 800-358-1100