

Cutting-Edge Non-Glass Technology Sentron pH Probe

Tailored for the food industry



Experience unparalleled accuracy and expertise

The future of pH measurement is here with the robust ISFET technology. The Sentron sensor guarantees accurate readings in the most demanding applications. Its pH electrodes are perfect for the food industry as they are not made of glass, meaning no breakage and no food contamination.

Characteristics:

- ISFET pH/Electrical Conductivity/ORP/Temperature
- Wireless
- ISFET chip housed in a non-glass body
- No buffer solution to refill
- Robust and durable
- Dry storage
- Response time is ten times faster than glass bulb pH sensors

Cutting-edge sensors all in one device!

ISFET pH

Experience the future of pH measurement with our robust ISFET technology. Built for the knowledgeable, this sensor guarantees accurate readings in the most demanding applications. Precision and durability converge to supply pH readings in the harshest conditions, making fragile glass electrodes obsolete.

Four-electrode conductivity sensor

Dive into outstanding conductivity analysis with our advanced 4-electrode sensor. Minimize interference for precise results, elevating your understanding of water or moisture composition to new heights.

ORP Monitoring

Unparalleled accuracy in ORP assessments is provided by the 4-electrode sensor, coupled with the versatile reference electrode compatible for ISFET measurements. This dual-functional system ensures reliable and precise results, catering to diverse analytical needs.



All sensor probes include a replaceable, interchangeable sensor part for extra durability. The probe is wirelessly connected via Bluetooth to the app for setting configurations, acquiring, storing, and exporting all your measurement data.

Seamless Connectivity

Bluetooth integration for data anywhere, anytime

Enter the realm of seamless connectivity. Sync the probe with your smart devices via Bluetooth, granting you extraordinary mobility and ease of access. For the accomplished practitioners who value swift data transfer and real-time monitoring, this feature is a game-changer. The Sentron is designed for seasoned professionals like you. Effortlessly visualize, analyze, and store data. Export for in-depth analysis or compliance reporting, all within a user-friendly interface.

Sentron Easy pH App

Sync your probe directly to your smart devices via Bluetooth for exceptional mobility and ease of use. Our app enables quick and accurate data transfers and real-time monitoring, allowing you to effortlessly visualize, analyze, and store data. The app is for free and available in the AppStore, GooglePlay and Huawei AppGallery.

Enhanced efficiency

Optimize your workflow with fast measurements, reducing the time required for the measurement process and allowing more time for in-depth data analysis.

Unparalleled longevity

Break free from the limitations of delicate electrodes and glass probes. This probe's durability assures enduring performance, reducing downtime, and maximizing your investment.

Food and beverage prowess

Perfect the art of flavor balance in the food and beverage industry. Achieve consistency in products like wine, beer, and juices by supporting precise pH levels.



Main Difference between glass and ISFET pH probes

Glass pH probes measure the hydrogen ion concentration in a solution, while ISFET pH probes measure the hydrogen ion activity.

The difference lies in the fact that the hydrogen ion activity takes into account not just the concentration of the ions but also their interaction with other ions in the solution.

This is why ISFET pH probes are often considered more accurate than glass pH probes, especially in complex solutions where there may be a lot of competing ions. Additionally, ISFET pH probes are not affected by changes in temperature, as glass pH probes can be.

Interchangeable Sensor Parts



The Sentron Probe's advanced technology ensures unparalleled accuracy and reliability, making it the ultimate tool for comprehensive data analysis. Various sensor tip options are offered in different dimensions:

- pH
- Electrical Conductivity
- ORP
- Temperature

Probe Dimensions

Probe dimensions	ConeFET pH/T	CupFET pH/T	LanceFET pH/T	MicroFET pH/T
Total length probe (A)	224 mm (8.8")	224 mm (8.8")	227.3 mm (8.9")	252 mm (9.9")
Length replaceable sensor part (immersible) (B)	128 mm (5.0")	128 mm (5.0")	131.3 mm (5.2")	110 mm (4.3")
Length x width x depth transmitter (C x D x E)	74 x 24.2 x 20 mm (2.9" x 1.0" x 0.8")			
Length x outer diameter connector ring (FxG)	22 x 18 mm (0.9" x 0.7")			
Materials transmitter / connector ring	ABS / PEEK			
Weight of complete probe	60 gr. (2.1 oz)	60 gr. (2.1 oz)	60 gr. (2.1 oz)	54 gr. (1.9 oz)

Why choose the Sentron pH probe?

- Enhanced efficiency: Save time and resources with rapid measurements and seamless data management.
- Unmatched accuracy: Trust in precise measurements for confident decision-making.
- Enhanced durability: Say goodbye to fragile glass probes, this silicon-based sensor technology stands the test of time.
- Cost-effective: Ditch fragile electrodes and high maintenance costs. This probe ensures long-lasting performance and minimal downtime.