MiniFET pH probe

9202-010



Compact ISFET pH probe

Sentron offers a comprehensive line of high quality meters and probes for glass-free pH measurement. The SI meter and probe line is created around our proprietary ISFET pH sensor that offers accurate and reliable pH measurement for demanding applications.

The MiniFET pH probe is a compact probe designed for stand alone integration into a process or placement in the field. Its short barrel allows it to be mounted without much protrusion from an apparatus or in situations where a low profile is required. Applications for which Sentron's customers use the MiniFET pH probe include monitoring of (bio) chemical processes and water quality monitoring.

ISFET = glass-free

The MiniFET probe contains Sentron's non-glass ISFET (Ion Sensitive Field Effect Transistor) pH sensor. This sensing component is Sentron's proprietary design and has been continuously over the past 15 years.

In contrast to conventional glass pH electrodes, ISFET pH sensors are robust and do not require wet storage. This makes them well suited for many environmental, food and pharmaceutical applications. Even in areas like education or in laboratories, where glass pH electrodes can be used, ISFET pH measurement technology offers a much more durable and reliable solution.

Fast response time

ISFET pH sensors are fast because they measure directly at the surface. Sentron's SI series probes can give stable readings in less than 5 seconds for almost all samples.

Extremely robust

Sentron probes are built from high quality ABS, PVC and PEEK materials. They are resistant to many aggressive solutions and can withstand rugged use. At the same time, they are light weight and easy to handle.

The probes have a polymer body snap-on type connector. Unlike DIN and bayonet type connectors, there are no moving parts nor screw thread that can be damaged.

The position of the ISFET and reference electrode has been designed to be clog and pollution resistant. In the event debris has accumulated on the sensor it can be easily cleaned with water and a brush.

Sentron probes are provided with protection against Electrostatic Discharge (ESD) ensuring measurements continue even in harsher environments.

Compact

The location of the ISFET and reference electrode, combined with a reduced barrel diameter and a flattened "head" enables the MiniFET to perform pH measurements of liquids with limited depth or in small pipes.

Comprehensive probe line

The MiniFET is part of a comprehensive probe line that meets a broad range of pH measurement needs.

ConeFET: Robust general purpose probe. 3280-010

CupFET: Probe for measurements of small 3200-010 liquid samples.

LanceFET: Steel tipped probe for penetration and measurement of non-liquids 2270-010

such as meat and fruit.

LanceFET+H: Equal to LanceFET but with large 2274-010

handle for additional grip.

Compact and sturdy probe with a MiniFET: 9202-010 5mm (0.2") diameter barrel, ideal for

embedded application.

MicroFFT: Laboratory probe with a very small 9270-010 3mm (0.1") diameter barrel that fits

test tubes and mini-cuvettes.

Highlights

• ISFET = glass-free

• Fast response time

Extremely robust

Compact

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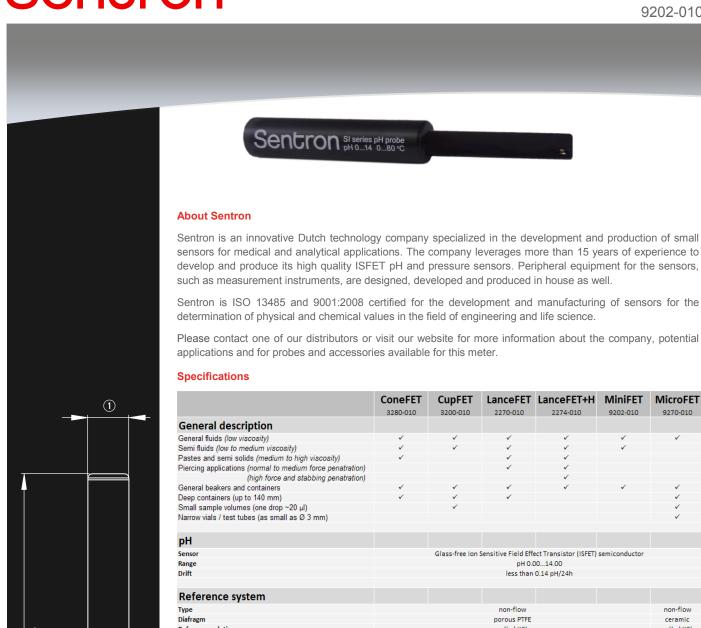
MiniFET

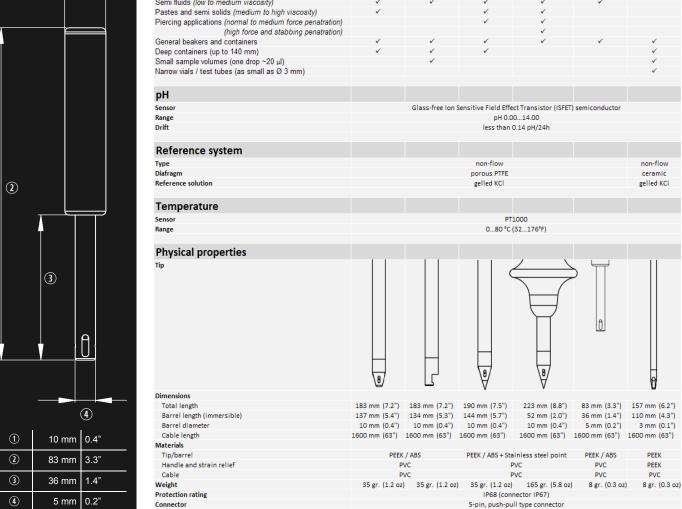
9202-010

SI meter series

9270-010

9202-010







Meter compatibility