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PreSens
PRECISION SENSING

Broader pH & CO_2 Ranges

The new pH-1 ST and CO2-1 ST for Microsensors and Dipping Probes

Dear Dr. Max Mustermann

You want to profile tissue constructs? Or do you need precise on the spot measurements in medical research & life sience? Then please feel invited to have a closer look at our new pH or CO2 meters, microsensors and dipping probes.

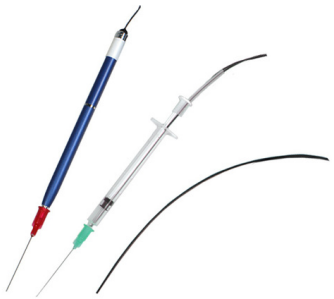
The pH-1 ST matches with our newest pH microsensors in different housings - they are more robust as they are built with a plastic fibre. Regardless of whether you prefer implantable, profiling or needle-type housed sensors. All variants are available with a low pH measuring range of 4 - 7 or a high pH measuring range of 6 - 9.

The CO2-1 ST can be used with microsensors and dipping probes. Especially our new dipping probes are designed for aqueous measurements, down to ambient CO2 levels in a range of 0.02 to 5 %.

Have we piqued your curiosity? Please find more detailed information below and do not hesitate to contact us with your specific application ... as we are curious about your work!

Your PreSens Team

The New Generation of Low & High pH Microsensors

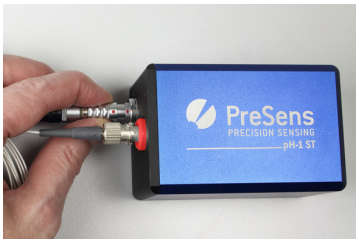


The new generation of pH microsensors completely eliminates glass as it is built with plastic fibre, which makes them robust. Since no pH reference electrode is required, this absence of any metal in the new versions of the microsensors now also enables nuclear spin measurements.

We offer different housings for this type of sensors: needle-type, profiling and implantable sensors. Pick your preferred measurement range: low (4.0 - 7.0) or high (6.0 - 9.0).

Single-channel pH-1 ST Meter for Use with Microsensors

Our new pH-1 ST can be controlled either with the PreSens Measurement Studio 2 or, in combination with a micromanipulator, with the PreSens Profiling Studio, which provides the correlation between pH signal and sensor position. The pH-1 ST is explicitly made for use with our new generation of pH microsensors, which we offer with a low (4 - 7 pH) or high (6 - 9 pH) pH range.



The device scores with

- temperature compensation
- lightweight (only 96 g) & small outer dimensions
- USB interface

New Low Range CO2 Steel Dipping Probes

Applications in biological & environmental research will benefit from this new low range CO2 dipping probes. They are designed for measuring down to ambient CO2 levels in a range of 0.02 % - 5 %.

The steel dipping probe DP-CDM1-ST is compatible with the CO2-1 ST meter. The fiber end with attached carbon dioxide sensor is covered by a robust stainless-steel fitting and has an outer diameter of 3.0 mm.

The dipping probe DP-CDM1 has an outer diameter of 2.2 mm and is a perfect tool for integration in small scale environments.

CO2-1 ST meter - Ideally Suited for Dipping Probes & Microsensors

Based on a novel technology, which creates very stable, internally referenced measured values, the CO2-1 ST device is especially suited for end users in academia including e. g. photosynthesis, respiration measurements and for animal or plant physiology. This meter is for use with CO2 microsensors (measurement range: 0.04 to 5 % CO2) or dipping probes (measurement range: 0.02 to 5 % CO2).

The device convinces with

- temperature & pressure compensation
- lightweight (only 96 g) & small outer dimensions
- USB interface

You would like to learn even more about PreSens Precision Sensing? Please visit our homepage www.presens.de and don't hesitate to contact us. Any feedback will be appreciated.

With kind regards

Christina Schlauderer
Communications

PreSens
PRECISION SENSING

PreSens Precision Sensing GmbH
Am BioPark 11 - 93053 Regensburg - Germany
Phone +49 941 942 72 109, Fax +49 941 942 72 111
christina.schlauderer@presens.de, www.PreSens.de

Trade Register Ingolstadt HRB 101505, CEO: Achim Stangelmayer

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