

MORE THAN JUST A pH SOLUTION

Real-time, wireless pH, temperature, relative humidity, CO₂ and O₂, pressure

The gopHer offers a reliable and user-friendly way to monitor pH non-invasively. Using patented technology, the gopHer collects pH and temperature of the media, humidity and temperature of the incubator to a receiver in real time. Additionally, the gopHer can collect %CO₂ and %O₂ of the incubator chamber making this more than just a pH solution.

The measuring interval for all parameters mentioned is collected and updated every minute. All parameters are viewable via a user-friendly web-based interface or smart phone and all results are shown in real-time.

○ FEATURES

- Measures parameters in real-time.
- Wireless patented communication between sensor and receiver.
- Compact design.
- Ideal for use with real time imaging incubators.
- User-friendly web-based interface to view real-time data.
- View sensor information and data using a smart phone.
- Records pH, Temperature, O₂, CO₂, Barometric pressure and Humidity in real-time.
- Sensor allows for 7+ days of continuous operation before recharge.
- Calibration of pH sensor is made simple using supplied ISO17025 standards.

○ PARAMETERS

- pH of media (range 1 to 14 pH)
- Temperature of media (range +10 to +80°C)
- % RH of chamber (range 0 to 100 %RH)
- Temperature of chamber (range +10 to +80°C)
- O₂ concentration (range 0 to 21%)
- CO₂ concentration (range 0 to 20%)
- Barometric pressure (range 900 - 1020 mbar)




gopHer

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gopHer's ISFET sensor is a state-of-the-art pH sensor.



1.877.772.3926

www.gopHerIVF.com

SPECIFICATION SHEET

pH Specifications

Range	1.00 - 14.00 pH
Resolution	0.01 pH
Accuracy	± 0.01 pH
Calibration	2 point with quality check
pH Sensitivity	0.5 mV/C
Leakage Current	0 – 0.05 nA
Electrode	Glass-Free Ion Selective Field Transistor (ISFET)
Reference	Ag/AgCl Non-Flow
Diaphragm	Porous PTFE
Reference Solution ...	Gelled KCl

OXYGEN	RELATIVE HUMIDITY
Range 0 to 21%	Range 0 - 100% RH
Resolution 0.01%	Resolution 0.01% RH
Accuracy ± 0.2%	Accuracy ± 5% RH
CARBON DIOXIDE	TEMPERATURE
Range 0 to 20%	Range +10 + 80°C
Resolution 0.01%	Resolution 0.01°C
Accuracy ± 0.2%	Accuracy ± 0.2°C

The gopHer's ISFET pH sensor is a state-of-the-art pH sensor combining high performance, reliability and small size. Our proprietary production methods allow our ISFET pH sensors to measure pH accurately in any condition for extended periods which makes it ideally suited for medical and analytical applications where small sensor sizes are important.

○ Barometric Pressure

Range 900 - 1020 mbar, Resolution 0.01 mbar, Accuracy +/- 0.05mbar.

○ Physical Properties

Dimensions (sensor) L x W x H 66mm x 60mm x 13mm.

Electrical 120/220 VAC +/- 10% 50/60Hz.

○ Batteries

Operation time on batteries - 7 day with power save enable.

Replaceable - 3 x AA Ni MH 2400 mAh (15A-ANSI or IEC-LR6).

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