CO_2 and pH monitoring

PetriSense® ST

Benefit from accurate CO_2 and pH validation in a variety of laboratory equipment with the PetriSense® ST 35 mm Petri dish sized sensor

The PetriSense® ST sensor provides independent validation of CO_2 and related pH in a variety of laboratory equipment for periods up to 12 hours.

The PetriSense® ST is portable and easy to install in various types of laboratory equipment enabling it to be switched between different units for quick and easy validation of CO_2 and pH.

PetriSense® ST provides a full auditable trail for regulatory compliance. The monitoring application, supplied with PetriSense® ST can display CO_2 and pH readings in numerical and graphical format for up to two individual sensors simultaneously.

PetriSense® ST uses the established relationship between CO_2 and pH to provide reproducible indications of pH culture conditions allowing early intervention to correct potential damaging changes in pH.

PetriSense® ST removes the need for the lengthy manual calibration procedures of point in time methods.

- Easy to install – No equipment modification required.
- Flexible – Can validate CO_2 and pH continuously for up to 12 hours.
- Peace of mind – Monitoring CO_2 provides early warning of potentially damaging changes in pH.
- Cost effective – No need for an expensive sensor in each piece of equipment or complex calibration procedures.

Want to find out more about monitoring? enquiries@planer.com

PetriSense® ST

PetriSense® ST software provides configuration, calibration and monitoring applications for the product and can be downloaded directly from the Planer website and installed on your laboratory laptop or PC. The PetriSense® ST is available supplied with a 10 inch Windows touchscreen tablet.

The software application is used to program the PetriSense® ST Sensor with the media parameters to ensure pH calculations are real time readings. The software also allows you to select if you wish to see the buffering effect of the media in the pH reading.

The software application provides easy to use calibration procedures for both calibration in air and in a known gas mixture without the need of sample preparation.

Measurement range	0-20 % CO_2, 0-14 pH
Operating temperature	10 °C to 42 °C
Storage temperature	-40 °C to +80 °C
Sensor type	Infrared sensor
Power supply	USB
Alarm	None
Relay outputs	None
Calibration frequency	In air prior to each use, annually with calibration gas
Output connection	USB 2.0 standard-A

*non humidified conditions

Part Number	Description
GDPETRI-ST-SOLO	PetriSense® ST CO_2/pH validation kit for benchtop incubators – single sensor
GDPETRI-ST-DUAL	PetriSense® ST CO_2/pH validation kit for benchtop incubators – two sensors
GDPETRI-ST-SOLO-SUR	PetriSense® ST CO_2/pH testing kit for benchtop incubators with software preinstalled on Surface Go 10" tablet – supplied with a single sensor
GDPETRI-ST-DUAL-SUR	PetriSense® ST CO_2/pH testing kit for benchtop incubators with software preinstalled on Surface Go 10" tablet – supplied with two sensors

PetriSense® ST software can be downloaded directly from the PetriSense® product page on the website www.planer.com

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