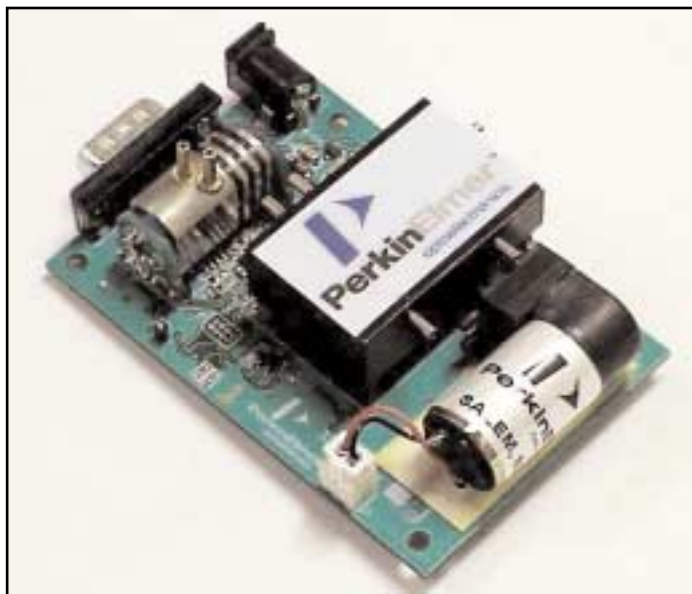


Digital Sidestream CO₂ Bench



Description

The PerkinElmer Digital Sidestream CO₂ Bench represents a breakthrough in solid state technology. Its sensor achieves the highest levels of accuracy and reliability while having no moving parts. The low power consumption and compact design set a new standard in sidestream monitoring. The bench incorporates our latest advances in component design and signal processing.

All design requirements of ASTM standards have been met or exceeded. The measurement technique is non-dispersive infrared absorption, which utilizes a unique infrared emitter design in conjunction with state of the art detector technology. Output from the bench is a digitized voltage function of CO₂ concentration within the sampling cell. The bench is designed for low flow neonatal applications, while achieving a rise time of less than 200 ms.

Main Features

- Meets ASTM standards for capnometers
- Neonatal, Pediatric and Adult use
- Low-flow design
- Fast rise time for high respiration rates
- Compatible with standard sampling disposables
- Easy to interface RS232 Digital Output
- Rugged solid state sensor - no moving parts
- Low power consumption
- Fast warm-up time
- Long life
- Self-regulating pneumatic circuit with flow and pressure sensing
- Small footprint
- Custom packaging available



Digital Sidestream CO₂ Bench

Specifications	
Method	Infrared Absorption
Application	Neonatal, Pediatric and Adult
Calibration	3 point calibration
Respiration Rate	160bpm
Input Voltage	5V
Power Consumption	1.0W typical, 1.5W max
Output	Digital Serial RS232
Measurement Range	0-100mmHg
Accuracy	±2mmHg plus ±4% of reading
Resolution	1mmHg
Rise Time	Less than 200 ms
Flow Rate	50ml/min ±10ml/min
Warm-up Time	Less than 1 min.
Mechanical Shock	100G ½ sine wave
Temperature	0-50°C (operating) -40-75°C (storage)
Relative Humidity	15-95% non-condensing (operating) 10-95% non-condensing (storage)
Physical Dimensions	2.5"x1.5"x0.75"

For more information email us at opto@perkinelmer.com or visit our web site at www.perkinelmer.com/opto

Note: All specifications subject to change without notice.

USA:

PerkinElmer Optoelectronics
35 Congress St.
Salem, MA 01970
Phone: (978) 745-3200
Fax: (979) 745-0894
Toll Free: (800) 950-3441

EUROPE:

PerkinElmer Optoelectronics GmbH
Wenzel-Jaksch-Str. 31
65199 Wiesbaden
Germany
Phone: +49 611 492 534
Fax: +49 611 492 578

ASIA:

PerkinElmer Optoelectronics
47 Ayer Rajah Crescent #06-12
Singapore 139947
Phone: +65 775 2022
Fax: +65 775 1008



SUNSTAR 商斯达实业集团是集研发、生产、工程、销售、代理经销、技术咨询、信息服务等为一体的高科技企业，是专业高科技电子产品生产厂家，是具有 10 多年历史的专业电子元器件供应商，是中国最早和最大的仓储式连锁规模经营大型综合电子零部件代理分销商之一，是一家专业代理和分销世界各大品牌 IC 芯片和电子元器件的连锁经营综合性国际公司，专业经营进口、国产名厂名牌电子元件，型号、种类齐全。在香港、北京、深圳、上海、西安、成都等全国主要电子市场设有直属分公司和产品展示展销窗口门市部专卖店及代理分销商，已在全国范围内建成强大统一的供货和代理分销网络。我们专业代理经销、开发生产电子元器件、集成电路、传感器、微波光电元器件、工控机/DOC/DOM 电子盘、专用电路、单片机开发、MCU/DSP/ARM/FPGA 软件硬件、二极管、三极管、模块等，是您可靠的一站式现货配套供应商、方案提供商、部件功能模块开发配套商。商斯达实业公司拥有庞大的资料库，有数位毕业于著名高校——有中国电子工业摇篮之称的西安电子科技大学（西军电）并长期从事国防尖端科技研究的高级工程师为您精挑细选、量身订做各种高科技电子元器件，并解决各种技术问题。

更多产品请看本公司产品专用销售网站：

商斯达中国传感器科技信息网：<http://www.sensor-ic.com/>

商斯达工控安防网：<http://www.pc-ps.net/>

商斯达电子元器件网：<http://www.sunstare.com/>

商斯达微波光电产品网：[HTTP://www.rfoe.net/](http://www.rfoe.net/)

商斯达消费电子产品网：<http://www.icasic.com/>

商斯达实业科技产品网：<http://www.sunstars.cn/>

传感器销售热线：

地址：深圳市福田区福华路福庆街鸿图大厦 1602 室

电话：0755-83370250 83376489 83376549 83607652 83370251 82500323

传真：0755-83376182 (0) 13902971329 MSN: SUNS8888@hotmail.com

邮编：518033 E-mail:szss20@163.com QQ: 195847376

深圳赛格展销部：深圳华强北路赛格电子市场 2583 号 电话：0755-83665529 25059422

技术支持：0755-83394033 13501568376

欢迎索取免费详细资料、设计指南和光盘；产品凡多，未能尽录，欢迎来电查询。

北京分公司：北京海淀区知春路 132 号中发电子大厦 3097 号

TEL: 010-81159046 82615020 13501189838 FAX: 010-62543996

上海分公司：上海市北京东路 668 号上海赛格电子市场 2B35 号

TEL: 021-28311762 56703037 13701955389 FAX: 021-56703037

西安分公司：西安高新开发区 20 所(中国电子科技集团导航技术研究所)

西安劳动南路 88 号电子商城二楼 D23 号

TEL: 029-81022619 13072977981 FAX:029-88789382