

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。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。专业以现代信息产业（计算机、通讯及传感器）三大支柱之一的传感器为主营业务，专业经营各类传感器的代理、销售生产、网络信息、科技图书资料及配套产品设计、工程开发。我们的专业网站——**中国传感器科技信息网（全球传感器数据库）www.SENSOR-IC.COM** 服务于全球高科技生产商及贸易商，为企业科技产品开发提供技术交流平台。欢迎各厂商互通有无、交换信息、交换链接、发布寻求代理信息。欢迎国外高科技传感器、变送器、执行器、自动控制产品厂商介绍产品到 中国，共同开拓市场。本网站是关于各种传感器-变送器-仪器仪表及工业自动化大型专业网站，深入到工业控制、系统工程计 测量、自动化、安防报警、消费电子等众多领域，把最新的传感器-变送器-仪器仪表买卖信息，最新技术供求，最新采购商，行业动态，发展方向，最新的技术应用和市场资讯及时的传递给广大科技开发、科学研究、产品设计人员。本网站已成功为石油、化工、电力、医药、生物、航空、航天、国防、能源、冶金、电子、工业、农业、交通、汽车、矿山、煤炭、纺织、信息、通信、IT、安防、环保、印刷、科研、气象、仪器仪表等领域从事科学研究、产品设计、开发、生产制造的科技人员、管理人员、和采购人员提供满意服务。**我公司专业开发生产、代理、经销、销售各种传感器、变送器、敏感元器件、开关、执行器、仪器仪表、自动化控制系统：专门从事设计、生产、销售各种传感器、变送器、各种测控仪表、热工仪表、现场控制器、计算机控制系统、数据采集系统、各类环境监控系统、专用控制系统应用软件以及嵌入式系统开发及应用等工作。如热敏电阻、压敏电阻、温度传感器、温度变送器、湿度传感器、湿度变送器、气体传感器、气体变送器、压力传感器、压力变送、称重传感器、物（液）位传感器、物（液）位变送器、流量传感器、流量变送器、电流（压）传感器、溶氧传感器、霍尔传感器、图像传感器、超声波传感器、位移传感器、速度传感器、加速度传感器、扭距传感器、红外传感器、紫外传感器、火焰传感器、激光传感器、振动传感器、轴角传感器、光电传感器、接近传感器、干簧管传感器、继电器传感器、微型电泵、磁敏（阻）传感器、压力开关、接近开关、光电开关、色标传感器、光纤传感器、齿轮测速传感器、时间继电器、计数器、计米器、温控仪、固态继电器、调压模块、电磁铁、电压表、电流表等特殊传感器。同时承接传感器应用电路、产品设计和自动化工程项目。**

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。

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/>

商斯达军工产品网：<http://www.junpinic.com/>

商斯达实业科技产品网：<http://www.sunstars.cn/>传感器销售热线：

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DPI 320/325

DPI 320/325 Series

Portable High Pressure Pneumatic Calibrators

- High accuracy 0.025% FS
- Generates pneumatic pressures to 3000 psi
- Dual channel readout: pressure and electrical
- Self contained rechargeable gas cylinder
- RS 232 interface and documenting versions
- Coarse/fine adjust selection



GE Druck

DPI 320/325 Series

Portable High Pressure Pneumatic Calibrators

THE FAST AND CONVENIENT SOLUTION FOR PRESSURE CALIBRATION.

For over twenty years, GE Druck has led the world in portable pressure calibrator technology and function. The DPI 320/325 Series of high pressure pneumatic calibrators are the latest additions to a comprehensive range of compact and rugged instruments.

This range of portable calibrators is designed to make testing and calibration of high pressure instruments and systems both quick and simple. Two versions are available, the DPI 320 which is the standard model and the DPI 325 which has full documenting capability.

These self-contained portable calibrators from GE Druck provide unparalleled accuracy and control performance. A built-in gas cylinder provides source pressures up to 3000 psi, a precision pressure regulator and fine volume adjuster ensures optimum control and a digitally characterized sensor measures pressure to better than 0.025% of full scale.

Field and workshop operation

The DPI 320/325 pressure calibrators are designed for use in the workshop, in the plant or out in the field. The large capacity gas cylinder ensures maximum productivity between refills. In addition, the calibrators can be operated directly from an external pressure source connected to the charging port.

Dual channel display

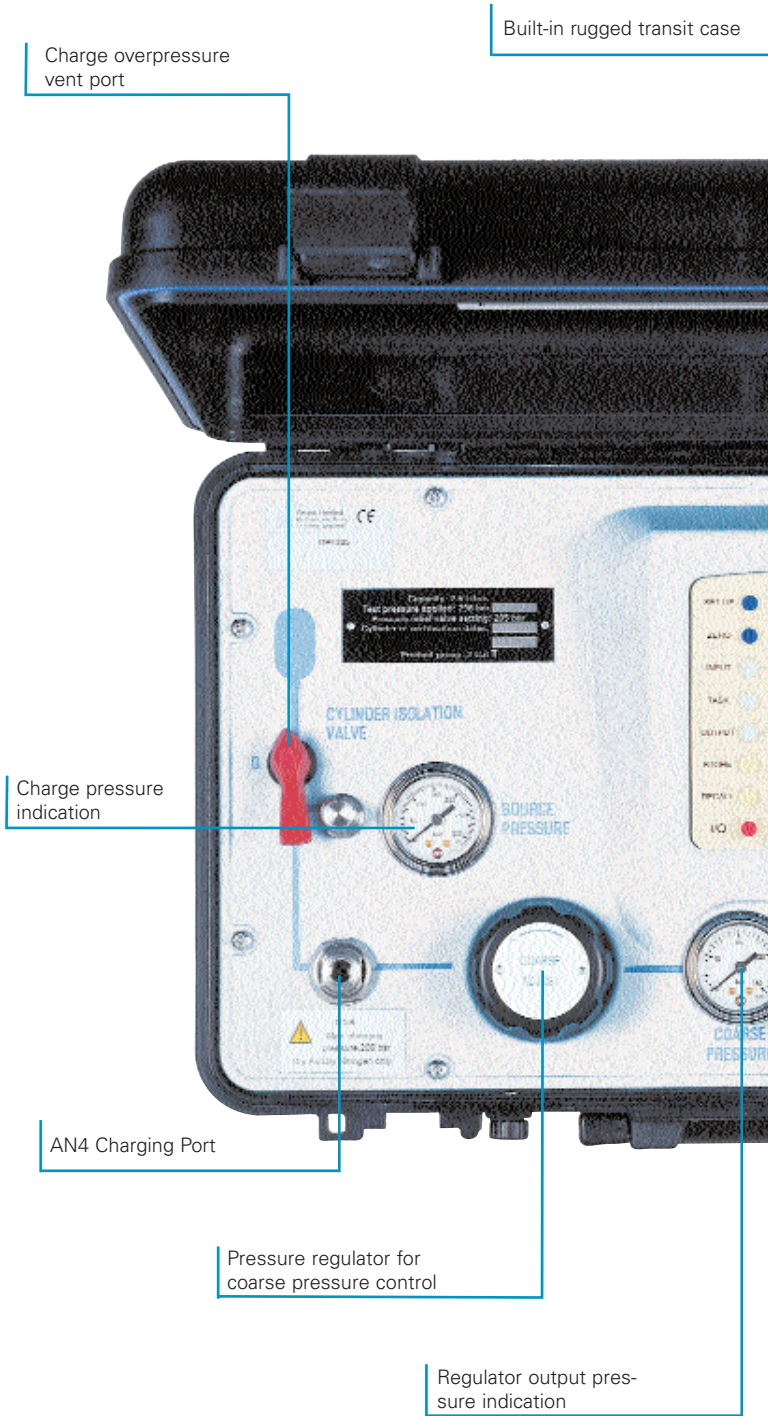
The DPI 320/325 are dual channel instruments able to display both the input and output values simultaneously. The calibrators are capable of providing current and voltage excitation to the unit under test (UUT) and can measure d.c. voltage, d.c. current and ambient temperature. Electrical terminations are made by industry standard 4mm sockets and the large backlit display provides a clear readout of the process parameters.

Application specific task menu

A dedicated task key provides instant access to the task menu permitting the calibrator to be configured for specific applications, for example, the P-I task configures the calibrator to source pressure and measure current, 24Vd.c. loop power is also available to allow complete pressure transmitter calibration. Running the pressure switch task captures the open and closed switch values and calculates switch hysteresis. The contact resistance of the switch under test can also be monitored.

Reduce process downtime

The DPI 325 version enables calibration criteria to be easily entered via the keypad allowing fast diagnosis of field instruments and automatic reporting of errors with a Pass or Fail status. When used in conjunction with Intecal for Industry calibration management software, it will be possible to download test procedures from a PC to the DPI 325. The calibrator will prompt the technician during the calibration routine and the results will be recorded electronically, reducing downtime and eliminating human errors.



Charge overpressure vent port

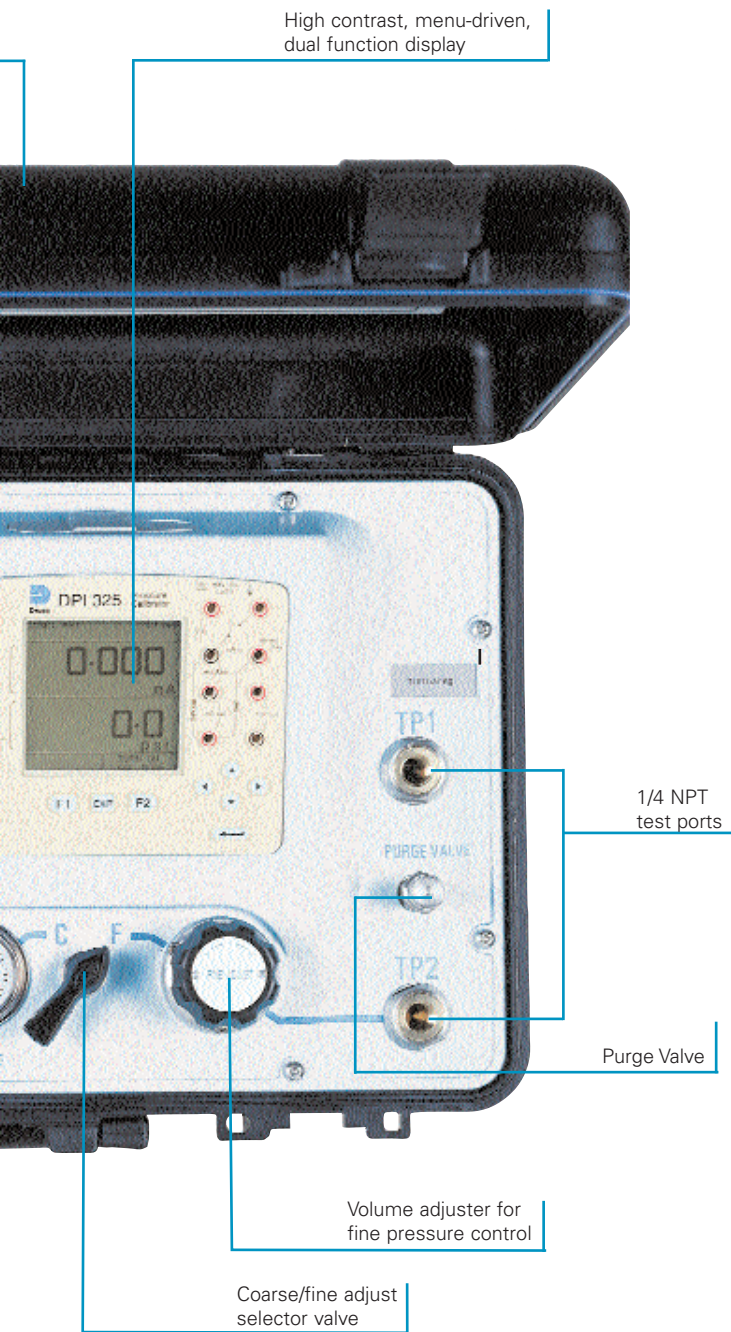
Built-in rugged transit case

Charge pressure indication

AN4 Charging Port

Pressure regulator for coarse pressure control

Regulator output pressure indication



DPI320/325 STANDARD SPECIFICATIONS

Pressure

The DPI 320 and 325 include a built-in pressure sensor and matched pressure regulator. The pressure range should be selected from the table below.

Pressure Range	Accuracy* (% F.S.)	Max. Overpressure	Type**
500 psi	0.025%	1000 psi	G or A
1000 psi	0.025%	2000 psi	G or A
1500 psi	0.025%	3000 psi	G or A
2000 psi	0.025%	4000 psi	G or A
3000 psi	0.025%	6000 psi	G or A

*Combined non-linearity, hysteresis and repeatability.

**G = Gage, A = Absolute (pressure reference).

Temperature Effects (averaged and w.r.t. 68°F) 0.002% of rdg/°F.

Pressure source: Built-in Nitrogen/Air cylinder, (max refill pressure 3000psi). Storage volume 122 cubic inches. Capacity 14.0 cubic feet.

Recommended media: Oxygen Free Nitrogen (OFN).

Remote Pressure Sensors: Please consult factory for list.

Electrical

In addition to pressure, the dual display can simultaneously monitor mA, V, switch, continuity and ambient temperature. Also, 10Vd.c. and 24Vd.c. power supplies are available for the Device Under Test.

Input	Range	Accuracy	Resolution	Remarks
Voltage*	±50Vd.c.	0.05% Rdg 0.004% FS.	100 microV _{max}	Autoranging >10MΩ
Current*	±55mA	0.05% Rdg 0.004% FS.	0.001mA	10Ω , 50V max.
Temperature	15°F to 105°F	±2°F	0.1°F	Case ambient
Switch	Open/Closed			5mA whetting

Output	Range	Accuracy	Resolution	Remarks
Voltage	10Vd.c.	0.1%		Max. load 10mA
Voltage	24Vd.c.	5%		Max. load 26mA
Current*	0 to 24mA	0.05% Rdg 0.01% FS	0.001mA	

*Temperature coefficient 0.004% reading/°F w.r.t. 68°F

Features

Pressure units - 25 scale units plus one user defined.

mA source - Auto10-sec. step cycle and programmable (60 sec. end to end) ramp

Process functions - Filter, max/min, tare, flow, and % span.

Power management - Auto power OFF, auto backlight OFF, battery status indicator.

Display - 2.36 x 2.36 inches graphic LCD with backlight. +/-99999 readout, 2 reading per second.

Data Storage - 92 kbytes memory.

Environmental

Temperature - Operating range 15° to 120°F, Calibrated 15° to 105°F

Humidity - 0 to 90%, non-condensing.

Sealing - Nema 12 (IP54).

Conformity - EN61010, EN61326 Class A, CE marked.

Physical - 28 lbs, dimensions approx. 16.9 x 10 x 6.5 inches.

Power supply - Battery powered 6 x 1.5 V NiCad cells (20 hrs nominal use at 68°F). The unit will operate from AC power supply, and allow the battery pack to recharge. Display indicates a low battery condition.

DPI 325 ADDITIONAL SPECIFICATIONS

The fully documenting DPI 325 also provides the following additional features:

Calibration mode, showing on-line error analysis indicating Pass/Fail status.

Storage of As Found and As Left results.

Graphical analysis of results showing Pass/Fail tolerance.

Two way PC interface for transferring test procedures and results.

Compatible with Intecal for Industry calibration management software.

Confirm availability with your GE Druck Representative.

DPI 320/325 Series

Portable High Pressure Pneumatic Controllers

OPTIONS

Remote pressure sensors

The calibrators have a second pressure channel which can be configured with up to 10 remote sensors (one at a time). The sensors are supplied with an electrical connector and 1/4" NPT female pressure ports. Mating cable is required.

Mating cable for remote sensor

A 6 foot mating cable for connecting remote sensors to the calibrator. At least 1 should be ordered when ordering remote pressure sensor.

Intecal for Industry calibration management software

For a fully functional free copy of Intecal for Industry please visit ge-intecal.com. Please note the complimentary version is limited to a data base with 25 tags.

ACCESSORIES

The DPI 320/325 Series is supplied with a battery charger, test leads, RS 232 cable, user manual, pressure test certificate, calibration certificate and accessory bag as standard.

Please note: The Nitrogen cylinder will be supplied empty for filling on site.

CALIBRATION STANDARDS

Instruments manufactured by GE Druck are calibrated against precision calibration equipment traceable to NIST.

RELATED PRODUCTS

Portable field calibrators

GE Druck manufacture a wide range of portable pressure, temperature and electrical field calibrators. A selection of these are shown.



Laboratory and workshop instruments

GE Druck also manufactures a comprehensive range of pressure indicators and controllers. Included in this range are the Pressurements industrial deadweight testers and GE Ruska high precision controllers and primary standard piston gauges.

Pressure transducers and transmitters

GE Druck manufactures a wide range of high performance pressure sensors, including Transducers and Transmitters based upon its own proven precision micromachined and resonant silicon technologies. Please refer to GE Druck for further information on related products.

ORDERING INFORMATION

Please state the following (where applicable):

1. DPI 320 or DPI 325 type number.
2. Internal pressure range required.
3. Options, (if required) including range for remote sensor.

Note: Remote pressure sensor and cable should be ordered as separate line items.

Continuing development sometimes necessitates specification changes without notice.

GE Druck is an ISO 9001 registered company.



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