

Pneumatic Pressure Controller (GDSPPC)



Overview: The Pneumatic Pressure Controller (GDSPPC) is an economical source of computer controlled regulated air pressure. The controller regulates an external pressure source of compressed air from a compressor or compressed air cylinder to provide a controlled output pressure. The control of the valves is via the serial bus (RS232) from the PC and software. The pneumatic controller is a cost effective route for upgrading manual regulator systems to automated systems.

The GDSPPC is available with one or two channels.

Key Features:

Benefits to the User:

Built in pressure transducer measures the air pressure:	The result is a compact, neat, self-contained unit.
Pressure measurement from the system is sent via a separate datalogger to the PC:	10V output signal can be connected to most existing data loggers.
Automated control:	The automated control of the pneumatic controller allows the user to run and log a series of tests without having to be continually monitoring or manually adjusting the pressure.
The pneumatic controller is available as either a 1 or 2 channel controller:	Two channel units are a very efficient way of replacing existing cell and back pressure manual regulators.
Calibration certificate:	The pneumatic controller is calibrated at GDS, and is supplied with a certificate. No user adjustment to the hardware is necessary.
Media that can be used with pneumatic controllers:	<ul style="list-style-type: none"> • Nitrogen. • Air. • Argon. • Helium. • Most inert gases.

Technical Specification:

Computer Interface:	RS232
Dimensions (mm):	600 x 230 x 100
Pressure Range (MPa):	1, 2 or 3
Weight Approx (kg):	6

Why Buy GDS?

Technical Support:

GDS provide comprehensive on-site product training and installation. GDS understand the need for ongoing after sales support, so much so that they have their own dedicated customer support centre. The support centre allows the user to log queries, download helpsheets and get the latest information on product updates. The site is fully searchable and provides a great resource to customers.

Alongside their support centre GDS use a variety of additional support methods including...

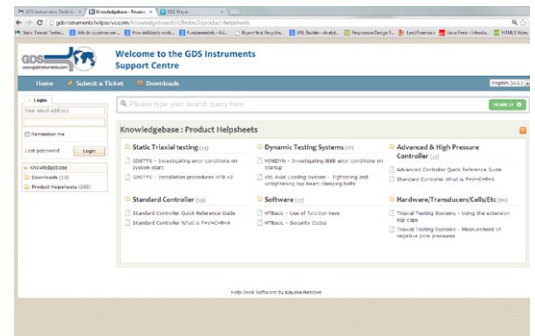


Fig. 1 GDS online customer support centre.

- **Remote PC Support:** Remote PC support works by GDS providing a secure link to a customers PC, thereby allowing GDS to take control. Once in control of the PC, GDS can help with any problems associated to software, installation, testing etc.
- **Product Helpsheets:** The helpsheets are the GDS FAQ documents. They cover a multitude of hardware and software questions and are free to download from our online support centre.
- **YouTube Channel:** GDS YouTube channel holds both software and hardware video's aimed to give you better understanding of how the products work.
- **Email & Telephone Support:** If you prefer you can email requests to support@gdsinstruments.com where they will be automatically added to the support system and then allocated to a support engineer.

GDS Awarded Queens Award for Enterprise in International Trade:

GDS have been presented with the most prestigious corporate award made in the UK – The Queen's Award for Enterprise in the International Trade category. GDS are delighted to have won the award which has been given to GDS for increasing overseas trade by 190% over six years of continuous sustained growth, and for selling over 85% of their production overseas. GDS have achieved this through a combination of continuous product development, understanding customer's requirements and a company wide dedication to customer support.



THE QUEEN'S AWARDS
FOR ENTERPRISE:
INTERNATIONAL TRADE

Made in the UK:

All GDS products are designed, manufactured and assembled in the UK at our offices in Hook. Quality assurance is taken of all products before they are dispatched.



GDS are an ISO9001:2000 accredited company. The scope of this certificate applies to the approved quality administration systems relating to the "Manufacture of Laboratory and Field Testing Equipment".



Due to continued development, specifications may change without notice. See the GDS website for the full product range & to visit our Geotechnical Learning Zone.