

PG14L & PG28L

Purge gas generator for FT-IR



Your local **gas generation** partner

Description

The PG14L and PG28L gas generators from Peak Scientific are suitable for laboratory detectors requiring CO₂ free gas such as FT-IR analysis.

Using Pressure Swing Adsorption technology to remove organic contaminants and moisture from air, these generators provide a consistent flow of air to ensure little background noise in laboratory analysis.

Requiring minimal maintenance, the PG14L and PG28L do require an external source of air to operate, Peak Scientific will be able to help with recommending a suitable air source if your laboratory does not have one.

Applications

- LD-IR & FT-IR Instruments
- FT-IR microscopes
- Laboratory applications requiring CO₂ free air



Key Features

Purge Gas (PG) generators from Peak Scientific offer gas which is free of organic contaminants such as carbon dioxide

Ideal for commercial labs with a high throughput rate of samples

High performance filters and PSA ensure maximum reduction of moisture (< -70°C dew point).

Few moving parts means minimum maintenance requirements and 24/7 performance

Position generator where required, wall mountable for small labs

Most cost effective than any other gas supply as the FT-IR detector needs a constant flow of gas

Completely silent in operation

12 month full comprehensive on-site warranty



| Technical Specifications | PG14L | PG28L |
|------------------------------|---------------------------------------------|---------------------------------------------|
| Max Flow Rate | up to 14 L/min | up to 28 L/min |
| Max Pressure | up to 100 psi /6.9 bar | up to 100 psi /6.9 bar |
| Gas Outlets | 1/4" BSP Female | 1/4" BSP Female |
| Dewpoint | -70 °C / -94 °F | -70 °C / -94 °F |
| Particles | < 0.01 µm | < 0.01 µm |
| Min/Max Air Inlet Pressure | 100 psi/6.9 bar - 120 psi/8.3 bar | 100 psi/6.9 bar - 120 psi/8.3 bar |
| Operating Temperature | 5-25 °C \ 41-77 °F | 5-25 °C \ 41-77 °F |
| Electrical Requirements | Universal 120 / 240VAC / 50 / 60 Hz / 0.8 A | Universal 120 / 240 VAC / 50 / 60Hz / 0.8 A |
| Generator Dimensions (HxWxD) | 660 x 459 x 162 mm 26.0 x 18.1 x 6.4" | 910 x 459 x 162 mm 35.8 x 18.1 x 6.4" |
| Generator Weight | 14.4kg / 31.8lbs | 18.6kg / 41.1lbs |

| Ordering Information | | |
|-------------------------------------------------------------|----------------------------------------|---------|
| Part Number | 45-1010 | 45-1060 |
| Precision air compressor (suitable for PG14L only) | 65-0555 (230v) / 65-1555 (120v) | N/A |
| External Regulator & Gauge Kit for FT-IR/LD-IR Applications | 3306030 | |
| Annual Service | www.peakscientific.com/ordering | |
| FPPM Maintenance Plan | | |
| Complete Maintenance Plan | | |
| Supported Maintenance Plan | | |

[**PEAK Protected**]TM

Peak Scientific gas generators define the benchmark in reliability, convenience and performance in laboratories around the world, and come backed by a 12 month warranty. Beyond this period however you can ensure that your investment continues to be **[Protected]** by our comprehensive generator care cover.

Our world-class aftercare support packages deliver a program of scheduled preventative maintenance whilst giving you the reassurance of instant access to worldwide technical support and priority on-site response in the untimely event of a breakdown.

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Peak Scientific's Quality Management System conforms to: ISO:9001:2008



Product Certifications

