

Fiber Optics & Display Gas Standards

(Helium He, Nitrogen N2, Argon Ar)

YIGAS INTERNATIONAL LIMITED

1. Overview

Fiber optics and display manufacturing require high-purity inert gases for coating, annealing, and laser processes. YIGAS supplies He, N2, and Ar with stringent purity assurance for semiconductor and photonics industries.

2. Technical Specifications

Gas	Purity Level	Typical Phase	Temperature Range	Common Pressure
He	≥99.999%	Gas	-269 °C	5—200 bar
N2	≥99.999%	Gas	-196 °C	5—200 bar
Ar	≥99.999%	Gas	-186 °C	5—200 bar

3. Industrial Standards

All gases comply with:

- ISO 14644 – Cleanroom gas standards
- SEMI C10 – High-purity gas purity specification
- GB/T 8982–2020 – Analytical gas testing

4. Applications

- He: Fiber drawing and cooling
- N2: Soldering and atmosphere control
- Ar: Display panel annealing and laser processing

5. Packaging & Supply

Cylinder • Bundle Pack • Liquid Bulk

6. Contact Information

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This document provides reference specifications for YIGAS fiber optics & display gases. Customized supply and technical support are available upon request.