



Pureⁿ-B HF

超高纯度气体微量HF分析仪

Trace Hydrogen fluoride Analyzer for Ultra-High Purity Gases

产品简介 Introduction

Pureⁿ-B HF 分析仪是一种结构简单、性能优越、适用范围广、价格较低的超高灵敏度分析装备，其核心技术是光腔衰荡光谱技术（简称 CRDS 技术），CRDS 技术决定其是一种绝对测量方法，测量可靠，精准，同时不需要校准，使您从繁琐的传感器维护、跨度校准、更换硬件中解脱出来。

The Pureⁿ- B HF Analyzer is an ultra-sensitive analysis instrument with a simple structure, superior performance, wide dynamic range and low price. The core technology is optical cavity ring-down spectroscopy (CRDS). CRDS technology is an absolute measurement method, the measurement is reliable and accurate, and does not require calibration at the same time. The analyzer can free users from cumbersome sensor maintenance, hussle calibration procedure, and replacement of hardware.

- Pureⁿ-B HF 分析仪测量气体多样性，高纯 N₂、高纯 NF₃ 等背景气体中的微量 HF 均可测量。

The Pureⁿ-B HF analyzer can measure many kinds of gases, trace HF in nitrogen(N₂)、nitrogen trifluoride(NF₃) and fluorocarbon(CF₄,C₂F₆,etc.) can all be measured.

- 内蒙古光能科技就在您的身边，可为您量身定做微量组份检测仪器，提供专业的售前维护，执行严格的检验标准，优质快捷的售后服务，真正做到您身边的气体分析专家。

Inner Mongolia Photonics Technologies Co. is right by your side. Our company could custom-made analyzers for you. We provide professional pre-sales consultation, implement strict inspection standards, and provide customers with quick and high quality after-sales service.

产品特点 Features

ppb 级的测量精度

Parts per billion(ppb)moisture detection capability in an array of gases

测量范围较宽

Wide dynamic range - over four orders of magnitude

实时响应速度

Real-time response

绝对测量（免于校准）

Absolute measurement

抗腐蚀性

Corrosive resistance

不间断测量

Continuous measurement

使用成本低、气体消耗量低、操作简单

Low cost of ownership, low gas consumption and operational simplicity

应用领域 Applications

半导体工业

Semiconductor Industry

液晶平板显示器（LCD）

Liquid Crystal Flat Panel Display

光电子器件（LED）制造业

Optoelectronics Manufacturing

太阳能光伏产业

Solar Industry

气体制造工业

Gas Manufacturing Industry

国家计量系统

National Metrology Institutions

科研机构

Scientific Research Institutions

性能规格 Detection Capability

被检气和背景气 Detection and Matrix	测量范围 Range	测量下限 Lower Detection Limit	灵敏度 Sensitivity
HF in N ₂	0-3ppm	0.5ppb	0.4ppb
HF in NF ₃	0-4ppm	0.75ppb	0.6ppb

背景气 Background Gases

N₂、SF₆、NF₃、CF₄、C₂F₆、C₃F₈、C₄F₆、C₄F₈

请与我们联系了解其他气体中HF的测量范围及灵敏度。 Please contact us to find out the range and sensitivity of HF in other gases.