PHOTONICS TECHNOLOGIES

SCIENCE EXPLORATION
PRECISION INNOVATION

Pure^{n}-M H_2O

Ultra-High Precision Moisture Analyzer

Introduction

The Pure^{n}-M H_2O 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 mea-surement is reliable and accurate, and does not require calibration at the same time. The analyzer can free users from cumbersome sensor main-tenance, hussle calibration procedure, and replacement of hardware. The Pure^{n}-M H_2O analyzer's lower detection limit can be as low as 12ppb.

- The Pure^{n}-M H_2O analyzer can measure many kinds of gases, trace moisture in noble gases and corrosive gases can all be measured.
- Inner Mongolia Photonics Technologies Co. is right by your side. Our company could custom-made analyzers for you. We provide profession-al pre-sales consultation, implement strict inspection standards, and provide customers with quick and high quality after-sales service.

Features

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

Wide dynamic range - over four orders of magnitude

Real-time response

Absolute measurement

Corrosive resistance

Continuous measurement

Low cost of ownership, low gas consumption and operational simplicity

Applications

Semiconductor Industry

Liquid Crystal Flat Panel Display

Optoelectronics Manufacturing

Solar Industry

Gas Manufacturing Industry

National Metrology Institutions

Detection Capability

Detection and Matrix	Range	Lower Detection Limit	Sensitivity
H_2O in N_2	0–2000ppm	12ppb	4ppb
H_2O in He	0–450ppm	4ppb	1.3ppb
H_2O in Ar	0–900ppm	6ppb	2ppb
H_2O in O_2	0–1000ppm	7.5ppb	2.5ppb
H_2O in H_2	0–1750ppm	7.5ppb	2.5ppb

Background Gases
N_2、He、Ar、H_2、O_2、CO、CO_2、COS、Ne、Kr、Xe、Cl_2、HCl、HBr、SF_6、NF_3、CF_4、C_2F_6、C_3F_8、C_4F_6、C_4F_8

Please contact us to find out the range and sensitivity of moisture in other gases.

Inner Mongolia Photonics Technologies Co.

Adress: Ordos High-Tech Industrial Zone, Ordos, Inner Mongolia

T / F: 0477-2299120 www.nmggnkj.com
E-mail:yanwenbin@nmggnkj.com wangrui@nmggnkj.com