



Pureⁿ-T H₂O

Trace Moisture Analyzer for Ultra-High Purity Gases

Introduction

The Pureⁿ-T H₂O 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, hassle calibration procedure, and replacement of hardware. The Pureⁿ-T H₂O analyzer's lower detection limit can be as low as 200ppt.

- The Pureⁿ-T H₂O 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 professional pre-sales consultation, implement strict inspection standards, and provide customers with quick and high quality after-sales service.

Features

Parts per trillion (ppt) 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

Scientific Research Institutions

Detection Capability

Detection and Matrix	Range	Lower Detection Limit	Sensitivity
H ₂ O in N ₂	0-20ppm	200ppt	100ppt
H ₂ O in He	0-4ppm	100ppt	20ppt
H ₂ O in Ar	0-9ppm	130ppt	45ppt
H ₂ O in O ₂	0-10ppm	150ppt	50ppt
H ₂ O in H ₂	0-16ppm	200ppt	70ppt

Background Gases

N₂, He, Ar, H₂, O₂, CO, CO₂, COS, Ne, Kr, Xe, Cl₂, HCl, HBr, SF₆, NF₃, CF₄, C₂F₆, C₃F₈, C₄F₆, C₄F₈, N₂O, NO, PH₃, AsH₃, NH₃

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