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## **G5310 Gas Concentration Analyzer**

National Physical Laboratory

F15: Voluntary ex ante transparency notice

Notice identifier: 2023/S 000-002463

Procurement identifier (OCID): ocds-h6vhtk-039af5

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### **Section I: Contracting authority/entity**

#### **I.1) Name and addresses**

National Physical Laboratory

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Teddington

TW11 0LW

#### **Contact**

Gary Phillips

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#### **Telephone**

+44 2089773222

#### **Country**

United Kingdom

**Region code**

UK - United Kingdom

**Internet address(es)**

Main address

[www.npl.co.uk](http://www.npl.co.uk)

**I.4) Type of the contracting authority**

Body governed by public law

**I.5) Main activity**

Other activity

Research

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**Section II: Object**

**II.1) Scope of the procurement**

**II.1.1) Title**

G5310 Gas Concentration Analyzer

Reference number

127701

**II.1.2) Main CPV code**

- 38000000 - Laboratory, optical and precision equipments (excl. glasses)

**II.1.3) Type of contract**

Supplies

**II.1.4) Short description**

The Picarro G5310 gas concentration analyzer provides simultaneous, precise measurement of nitrous oxide (N<sub>2</sub>O), carbon monoxide (CO) at parts-per-trillion (ppt), and water (H<sub>2</sub>O) vapor at parts-per-million (ppm) sensitivity with negligible drift for atmospheric science, air quality, and emissions quantification.

#### **II.1.6) Information about lots**

This contract is divided into lots: No

#### **II.1.7) Total value of the procurement (excluding VAT)**

Value excluding VAT: £130,000

### **II.2) Description**

#### **II.2.3) Place of performance**

NUTS codes

- UK - United Kingdom

#### **II.2.4) Description of the procurement**

The Picarro G5310 gas concentration analyzer provides simultaneous, precise measurement of nitrous oxide (N<sub>2</sub>O), carbon monoxide (CO) at parts-per-trillion (ppt), and water (H<sub>2</sub>O) vapor at parts-per-million (ppm) sensitivity with negligible drift for atmospheric science, air quality, and emissions quantification. It meets the World Meteorological Organization (WMO) and Integrated Carbon Observation System (ICOS) performance requirements for N<sub>2</sub>O and CO atmospheric monitoring.

Simultaneous and continuous measurement of N<sub>2</sub>O and CO

Mid-IR CRDS for high precision and low drift analysis

Compliant with WMO and ICOS international ambient atmospheric monitoring requirements

Water correction automatically reports dry gas mole fractions

Precision at 5 seconds and 5 minutes is