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Ev. č.: ČGS/6132/2019-1

Listy/příl.: 1/0 28.4.2019

Číslo jednací:

Cenová nabídka na Gazometrický systém **Picarro GasScouter**



| | | | |
|-----------|--|----------------|--|
| Pro: | Česká geologická služba, příspěvková organizace Klárov 131/3, 118 00 Praha IČ: 00025798 Mgr. Zdeněk Venera, Ph.D. | Od: | HILGER s.r.o. Místecká 258 720 00 Ostrava-Hrabová IČ: 46580387 Zpracoval: Jiří Micenko e-mail: jmicenko@hilger.cz tel. 596 718 912 |
| Datum: | 28. 3. 2019 | Číslo nabídky: | P1904 |
| Platnost: | 3 měsíce | Doba dodání: | 8 týdnů |

Picarro GasScouter

CO₂, CH₄ and H₂O

Mobile Gas Concentration Analyzer

| č. | P/N | Popis | cena v Kč |
|----|--------|--|--------------|
| 1. | G4301 | GasScouter CO ₂ , CH ₄ and H ₂ O Concentration Analyzer in Air. Simultaneous measurement of CO ₂ , CH ₄ and H ₂ O concentrations in air - Compact, portable package - Evolution of Picarro's patented CRDS technology, optimized for low-power consumption - Time-based laser measurement for quantifying spectral features in an optical cavity - Small cavity (35 mL) for fast sample turnover rate - Integrated battery and pump - Each analyzer is tested and certified for drift and precision - Analyzer is subjected to, and must pass: vibration test on both axes; and environmental chamber test - All analyzer data files are recorded in .csv compatible format for easy export and analysis - The G4301 will ship with Microsoft Windows 7 Operating System - For information on guaranteed specifications, refer to analyzer Data Sheet | 1 349 370,00 |
| 2. | A0946 | GPS Kit for G4XXX: Integrates GPS data with analyzer data in one complete data set, easily exportable into KML format. Includes: <ul style="list-style-type: none">• GPS antenna and module that connects to analyzer via USB• Software upgrade on Picarro analyzer• 1-year warranty on hardware | 51 700,00 |
| 3. | A0905 | TABLET, 7-8 INCHES incl. software | 15 510,00 |
| 4. | S2040 | Rechargeable 160 W-h Battery Pack for G4301. Li-Ion Technology. Charging DC 12-19V. Output 15V/19V, max 5A. | 19 176,00 |
| 5. | A0947 | Mobile Soil Chamber System for G4XXX Includes: - Soil Flux Processor Lite for real-time flux processing on a tablet-Stainless Steel chamber, 10-inch OD, 5-inch height, 570 in ³ or 9.4 L in volume, rubber seal, aluminum handle, Inlet/Outlet 1/4-inch quick disconnect fittings, micron filter on the inlet line | 103 400,00 |
| 6. | SH1005 | International Shipping (for all shipping terms besides EXW and DDP). Packaging and export documents prepared by Picarro. Amount specified here is associated with the quoted Incoterms 2010 shipping term specified above, and will be prepaid by Picarro as a courtesy service and charged back to customer on the invoice. This invoiced amount does not include export- and import-related duties and taxes (including VAT) and customs-related charges, which will be the customer's responsibility | 18 095,00 |

| | | |
|----|-----------------------------------|---------------------|
| 7. | On-site installation and training | included |
| | Cena celkem bez DPH v Kč | 1 557 251,00 |
| | DPH 21% | 327 022,71 |
| | Cena celkem s DPH v Kč | 1 884 273,71 |

Obchodní podmínky:

- Doba dodání – do 90 dnů od podpisu smlouvy
- Platební podmínky – 100% do 14 dnů po dodání a instalaci
- Záruční doba – 12 měsíců

Výrobce:

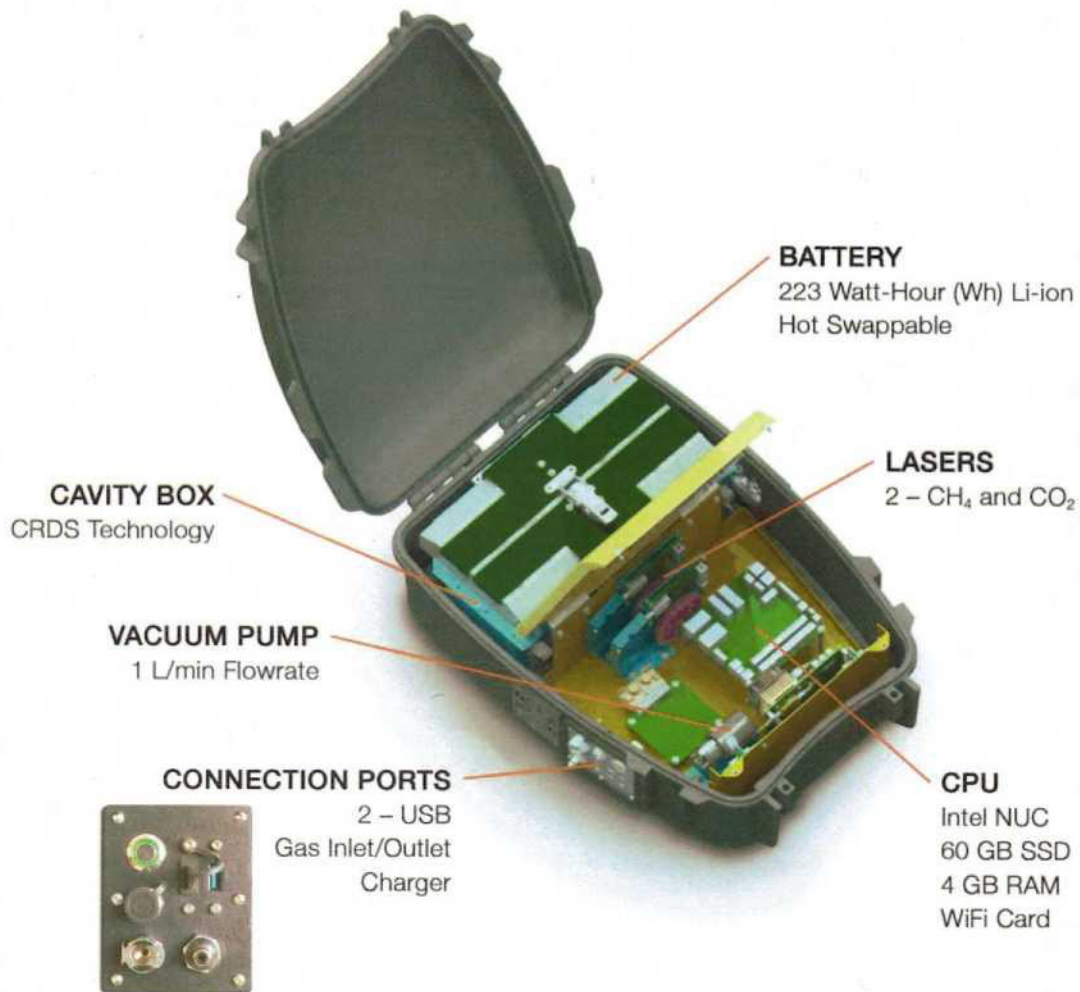
PICARRO, INC
 3105 Patrick Henry Drive
 Santa Clara, CA 95054
 USA
www.picarro.com



Technické parametry:

| Picarro G4301 GasScouter Performance Specifications | | | |
|--|--|-----------------|-----------------------|
| Specification | CO ₂ | CH ₄ | H ₂ O |
| Raw precision (5 sec) | 0.4 ppm | 3 ppb | 100 ppm +5% |
| Precision (300 sec, 1σ) | 0.04 ppm | 0.3 ppb | 10 ppm +5% |
| Lower Detection Limit (300 sec, 3σ) | 0.12 ppm | 0.9 ppb | – |
| Drift (24 hr, peak-to-peak 50 min average) | 0.5 ppm | 1 ppb | – |
| Measurement Range | 0–3% | 0–800 ppm | 0–3% (non-condensing) |
| Measurement Interval | | 3 s | |
| Response Time (Fall/Rise) | | 5 s | |
| Picarro G4301 GasScouter System Specifications | | | |
| Operating Temperature | 10°C to 45°C | | |
| Ambient Humidity | <99% (non-condensing) | | |
| Dimensions | 14" w x 6.95" d x 18.2" h (35.6 x 17.7 x 46.4 cm) | | |
| Sample Flow Rate | Built-in vacuum pump, ~1 sl/m at atmospheric pressure | | |
| Pump Off-Gassing (in recirculation configuration with 1L chamber) | <0.1 ppb/min CH ₄ <1 ppb/min CO ₂ | | |
| Weight | 23 lbs (10.4 kg) | | |
| Power Consumption | 25 W | | |
| Battery | Built-in Li-ion battery, 223 Wh, in/out 12-19 V, charge time 5-8 hours | | |
| Sample Inlet/Outlet Connections | Colder non-valved quick-connect | | |
| Data Output | USB (x2), Wi-Fi Connectivity | | |
| Operating System | Windows 7 Professional | | |
| Picarro G4301 Accessories | | | |
| GPS Kit (A0946) | GPS antenna and module (connected via USB). Includes Picarro software upgrade to report GPS parameters in raw data file that is exportable to KML format | | |
| Mobile Soil Flux System (A0947) | Gas flux chamber (stainless steel with inlet/outlet quick disconnect fittings) and flux computational software | | |

Patented Cavity Ring-Down Spectroscopy (CRDS) Technology



- High-precision ppb measurements of CO₂ and CH₄ concentrations
- Portable, lightweight and low power
- Built-in rechargeable Li-ion battery for up to 8 hours of continuous operation, and seamless battery switching for uninterrupted measurement
- Built-in WiFi for mobile operation with a tablet or smartphone in remote locations
- Optional accessories for mobile soil flux system and GPS

