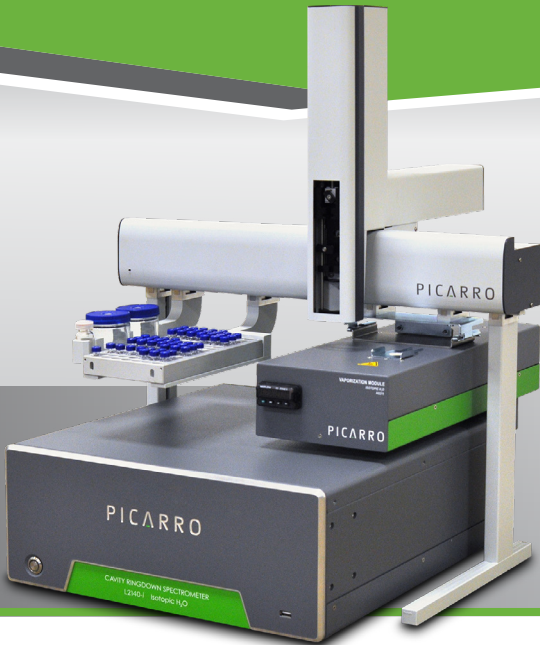


Isotopic Water Analyzer Faster Measurement Modes

PICARRO

See Next Page
for Exclusive
Discount



- **Standard Mode** – High Precision, Standard Throughput, 27 Samples Per Day
- **Express Mode*** – High Throughput, High Precision, 50 Samples Per Day
- **Survey Mode*** – Very High Throughput, 900 Injections Per Day

The Picarro L2130-*i* isotopic water analyzer provides the high-quality measurements of water stable isotopes that are critical for demanding applications such as paleoclimatology, hydrology, and oceanography. Our sophisticated time-based measurement uses a laser to quantify spectral features of gas phase molecules in an optical cavity. Picarro's unique design enables an effective measurement path length of up to 20 kilometers in a compact cavity, which delivers exceptional precision and sensitivity in a small footprint. As a result, $\delta^{18}\text{O}$ and δD are measured with the highest precision and reproducibility.

The L2130-*i* has three measurement modes. The Standard mode processes 27 samples per day. The Express mode

delivers faster high-precision measurements for up to 50 samples per day. The Survey mode makes super-fast approximations of isotopic values for very large sample batches—up to 900 injections per day. This enables more efficient sorting and rearranging of sample clusters to reduce memory effects, and thereby accelerates the measurement process and increases the accuracy of the results. Combining the Express and Survey modes will further increase throughput by reducing the time it takes to measure 100 samples by up to 68 hours.

* Express and Survey modes are free to existing customers and to new customers who purchase an L2130-*i* before 31 Dec 2021.

Preliminary Comparison of Measurement Modes

Mode	Injection Volume [μL]	Injection Time [min]	Samples/Day	$\delta^{18}\text{O}$ Precision [‰]	δD Precision [‰]
Current specifications	1.8	54	27	0.025	0.1
Standard mode	1.8	54	27	0.01	0.05
Express mode	1.8	28	50	0.01	0.05
Survey mode	2.5	1.6	900 injections	0.05	0.11

See the datasheet for more details on the [Picarro L2130-*i*](#).

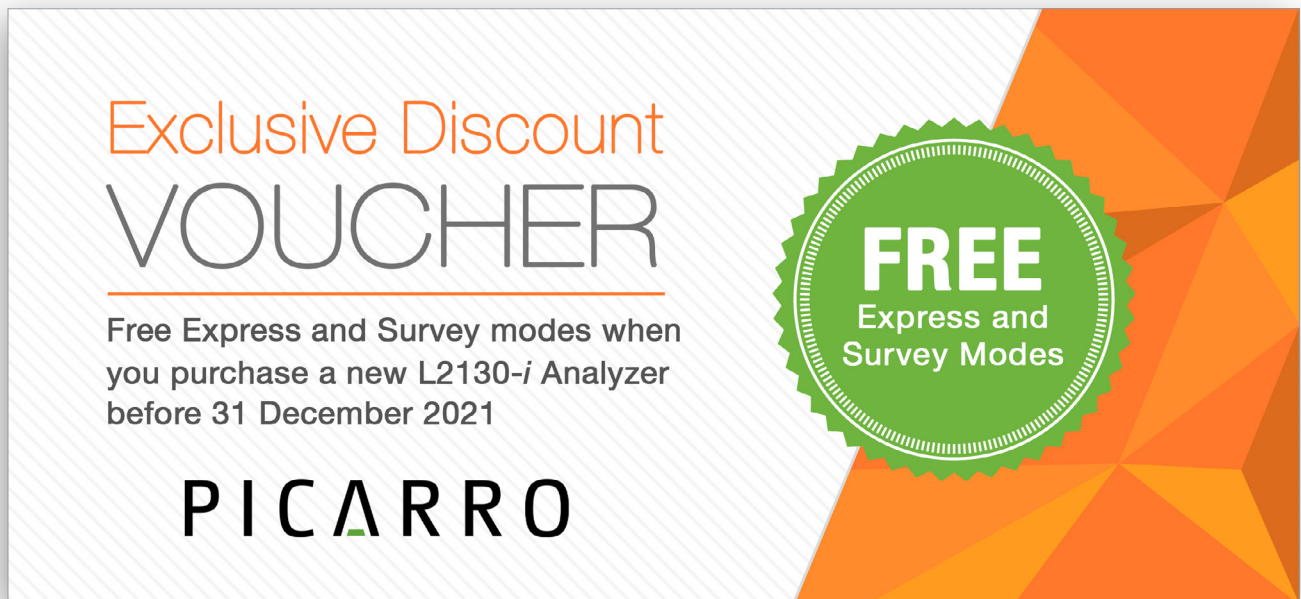
PICARRO

© 2021 PICARRO, INC.

LIT CODE: L2130-*i*-FL05-V1.0-210420

3105 Patrick Henry Drive, Santa Clara, CA 95054 | 408-962-3900 | sales@picarro.com | picarro.com

Receive this exclusive discount when you
purchase a new L2130-*i*



Exclusive Discount
VOUCHER

Free Express and Survey modes when
you purchase a new L2130-*i* Analyzer
before 31 December 2021

PICARRO

FREE
Express and
Survey Modes

The voucher features a white background with a light gray diagonal line pattern on the left side. The right side is decorated with a geometric pattern of orange and yellow triangles. A green circular seal with a white border and a scalloped edge is positioned on the right, containing the text 'FREE Express and Survey Modes'.