

We are proud to partner with ABB-LGR

Cura Terra has been working with ABB-Los Gatos Research for over a decade. Their cavity-based laser gas analysers are our most popular scientific product line, and we are proud to have supplied over 100 analysers to universities, laboratories, and monitoring stations around the World. The vast majority of these, some well over 10 years old, are still in operation, and still supported by Cura Terra's expert service team



Los Gatos Research were among the first innovators to develop a methane analyser portable and robust enough to take into the field, with their patented Off-Axis ICOS (Integrated Cavity Output Spectroscopy) technique. This is a 4th generation technique based on traditional CRDS (Cavity Ring-Down Spectroscopy).

Unlike CRDS, OA-ICOS is a direct, absorption-based measurement with continuous wavelength scanning, improving the sensitivity, selectivity, and robustness of the technique. Thanks to the "Off-Axis" arrangement of the optics, nanometre-level alignment is not needed, meaning the optics are insensitive to dust, vibration, and shocks. This also means the optics can be removed, cleaned, and reinstalled in the field, requiring minimal tools and training



GLA133-GGA



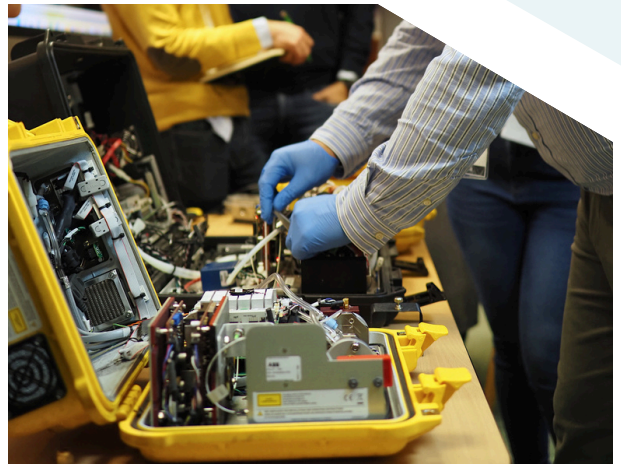
GLA132-GGA



GLA351-N2OCM

The ruggedness, user-serviceability, and portability of these analysers make them popular for research in challenging applications from the Atacama Desert to the Arctic Tundra, as well as mobile and airborne measurement platforms. ABB-LGR have continued to improve and miniaturise their technology over the years, culminating in the latest series of Microportable Greenhouse Gas Analysers.

The GLA131-GGA Microportable Greenhouse Gas Analyser is a 6.1 kg CH₄, CO₂, H₂O (vapour) analyser that is small enough to fit into a backpack. It also includes an internal battery with up to 3 hours autonomy. An evolution of the flagship Ultraportable Greenhouse Gas Analyser or "UGGA", the new GLA131-GGA offers similarly impressive precision despite its small size, and a response time of just one second. The Microportable GGA is now also available in a UAV-mounted version. The new GLA133-GGA features the same optics and exceptional performance as the GLA131-GGA, in an even smaller 3kg chassis designed to mount on a drone.



GLA131-GGA



GLA331-MCEA1



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