



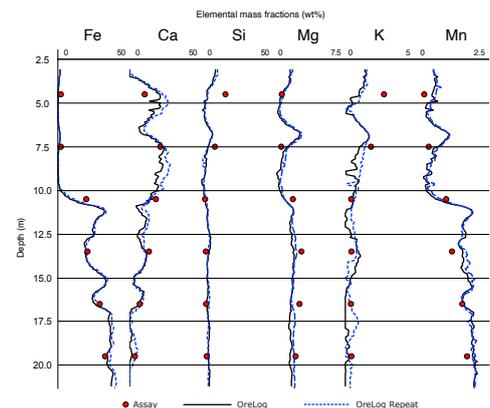
SPECTROMETRIC BOREHOLE LOGGING

Benefit from the synergy of pulsed neutron and gamma spectrometry to characterize mineral deposits. **OreLog[®]** stands for cost-effective and immediate geochemical and petrophysical data, complementing more lengthy and costly XRF assay analysis.

Measurement principle	Time-resolved neutron and gamma-ray spectroscopy (γ-rays from prompt neutron capture, inelastic scattering and activation)
Tool length	3.1 m (9.8 ft)
Tool diameter	76 mm
Tool mass	36 kg
Supply voltage	110 VAC or 220 VAC
Power consumption (active mode)	20 W
Neutron source flux	10 ⁸ n/s
Neutron cloud range in formation	20 to 50 cm from tool center
Logging speed	1 to 4 m m/min
Maximum pressure rating	Tested to 70 bars
Data output	LAS file with logs of elemental mass fractions, geophysical data (including porosity, H-index, density) and operational parameters. Suitable for direct input into WellCAD or direct import into 3D geological modelling software such as Leapfrog.

What does OreLog[®] do?

OreLog[®] measures in near real-time logs of mass fractions of ore building elements, including Fe, Si, Ca, Al, Li, P and S, in addition to petrophysical parameters, including hydrogen index and bulk density.





FAST RESULTS, RELIABLE DATA, INCREASED PRODUCTIVITY

Who is behind OreLog[®]?

The Umwelt- und Ingenieurtechnik GmbH Dresden (UIT), part of the General Atomics Europe Group, provides global engineering, consulting, and process solutions with over 30 years of experience and a reputation for expertise and competence.

Innovation	Research and development, network with public R&D bodies
Production	From innovative ideas to manufacturing customised solutions - all under one roof
Insight	Data processing and interpretation with inhouse software by our geophysicists, geologists and metallurgists

What are the benefits?

- ✓ Obtain combined depth-resolved elemental mass fractions of ore building elements and petrophysical properties
- ✓ Greater volumetric information (~0.5 m radius from the core material)
- ✓ With a diameter of 76 mm, OreLog[®] fits into HQ holes
- ✓ OreLog[®] yields rapid and direct data with high sampling density (10 cm), allowing for more informed decision making in exploration campaigns and in production mining
- ✓ Quick, reliable and economical characterization of various mineral deposits
- ✓ Tool is slim and lightweight - OreLog[®] can be safely handled by one person

How can I get OreLog[®]?

Experience the convenience of our rental model. Join us for more information about demonstration measurements and rental option tailored to meet your specific needs. We look forward to assisting you in finding the perfect solution for your requirements.

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Scan here for more information

