



MICRORESISTIVITY

The Microresistivity probe delivers high-resolution resistivity measurements directly at the borehole wall. It excels at identifying thin beds, lamination, and other fine-scale geological features that conventional resistivity tools may overlook. Utilizing a focused current beam, the tool ensures sharp vertical resolution by confining the measurement current to a narrow path through the formation.

The measurement electrodes are housed within a flexible pad that conforms to the borehole wall and is held in place by a motorized deployment arm. This arm simultaneously operates the caliper mechanism, allowing real-time borehole diameter measurement alongside resistivity logging.

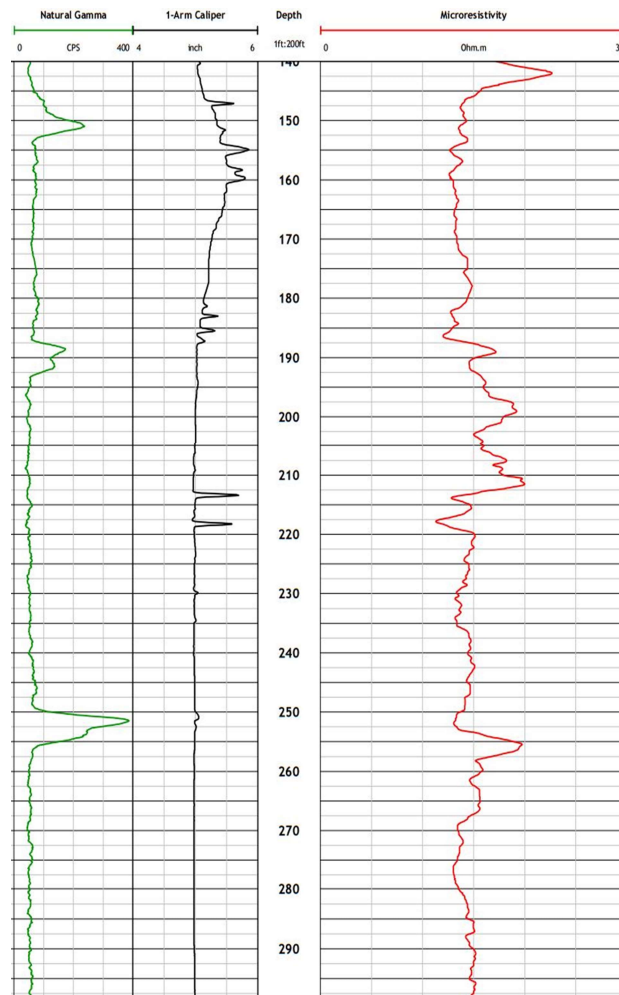
An integrated natural gamma detector provides lithological context and enables correlation with other logs. The probe's robust design and multifunctional configuration make it a powerful solution for high-resolution formation interpretation in both conductive and resistive mud environments.

APPLICATIONS:

- + Thin-Bed Boundary and Thickness Analysis
- + Detailed Lithological Differentiation
- + Reservoir Characterization and Aquifer Evaluation
- + Formation Evaluation in Conductive/Saline Environments
- + Mineral Exploration and Orebody Boundary Mapping

PROBE SPECIFICATIONS:

Diameter:	58 mm (2.3 in.)
Length:	2.71 m (8.9 ft.)
Max Temperature Rating:	70°C (158°F)
Max Pressure Rating:	200 bar (2900 psi)
Resistivity Range:	0.2 – 2000 Ω-m
Parameters Measured:	Formation Resistivity, Nat. Gamma, Hole Dia.
Borehole Diameter Range:	60 – 400 mm (2.4 – 15.75 in.)



COLOG Regional Offices

corporate office
833 Hog Back Drive
Golden, Colorado 80403
303-279-0171

southeast region
Ocean Springs, MS
256-424-5780

western region
Elko, NV
775-777-3433

southwest region
Eloy, AZ
480-236-6815

northeast region
Hartford, CT
203-666-1234

www.colog.com