

PRODUCT SPEC SHEET

GEOGUIDE CBL

Radial Cement Bond Log

GENERAL SPECS

Temperature	350°F	177°C
Pressure	20,000 psi	138 MPa
Tool Diameter	2¾ - 3¼ in	69.9 - 82.6 mm
Tool Length	9.48 - 9.71 ft	2.89 - 2.96 m
Tool Weight	132 - 140 lb	49.3 - 63.5 kg
Casing Size Range	4½ - 13½ in	11.4 - 34.3 cm

SENSOR SPECS

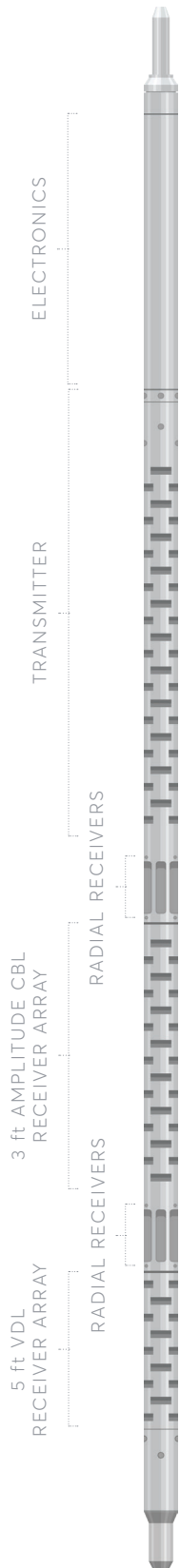
Receivers	Piezoelectric Crystal	
Signal Output	3 ft amplitude CBL 5 ft VDL 360° Cement Quality Map - generated by the calibrated segmented receiver array	
Sampling Resolution	variable rates	
Logging Speed @ 50 Kbps	70 ft/min	21 m/min
@ 100 Kbps	100 ft/min	30 m/min
Fluid Media	brine, oil, fresh water, drilling mud, etc.	

Specifications are subject to change based on well profile. Contact your Gyrodata representative for details. Updated May 2018. Copyright ©2012 Gyrodata, Inc.

COMBINABILITY

GeoGuide GR	Scintillation Gamma Ray
GeoGuide Temp	Temperature
GeoGuide CCL	Casing Collar Locator
GeoGuide MTD	Magnetic Thickness Detector
GeoGuide MFC	Multi-Finger Caliper
MicroGuide	High Density Tortuosity Log
GyroGuide	Real-Time or Memory Gyro Surveying

Tool combinability dependent on application and tool configuration. Tool selection enables data correlation of depth, formation, tortuosity, or tool orientation and to pin-point anomalies in the well.



Gyrodata's GeoGuide CBL services offer a complete 360° depiction of the cement-to-casing and cement-to-formation bond integrity. Additionally, custom log formats are available for a variety of applications to enhance data clarity. These features paired with quantitative interpretation by Gyrodata's experienced logging services team, enables operators to make more confident decisions for complex reservoir situations.

DESIGN + PERFORMANCE

- Utilizes traditional dual receiver logs, including 3 ft amplitude CBL and 5 ft variable density logs (VDL), and a segmented radial receiver array that generates a detailed 360° Cement Quality Map
- Adjustable data sampling rates to maximize data acquisition for high resolution logs
- Runs in real-time mode via e-line
- Customizable log presentations enable operators to choose from an extensive output of logging data best suited for their application

MARKET + APPLICATIONS

- Drilling, Completions & Production
- Cased Hole Operations
- Evaluation of Cement-to-Casing & Cement-to-Formation Bond Integrity
- Determination of Compressive Strength & Thickness of Cement
- Identification of Channeling
- Detection of Microannulus Presence
- Identification of Zonal Isolation
- Identification of Top of Cement (TOC)