VULCAN™ MFT 40 GEOTHERMAL CALIPER

TECHNICAL DATA SHEET

Scientific Drilling's Vulcan™ MFT 40 was designed and developed specifically for geothermal applications. The caliper delivers high-precision measurements of the internal wellbore diameter, making it the ultimate in casing evaluation technology at temperatures of up to 650°F.

With a finger sensor every 9°, high-speed electronics, and expansive memory capacity, the Vulcan™ MFT 40 can sample 50 times per second. This enables detailed results within hours.

For more information on the leading caliper technology for geothermal casing inspection requirements, contact your Scientific Drilling sales representative or visit:
http://scientificdrilling.com/cased-hole-services

APPLICATIONS

- Imaging of deformities & anomalies
- Scale detection
- Corrosion monitoring
- Pitting evaluation
- Hole identification
- Buckling deformation & minimum restriction analysis
- Wellhead profiling

BENEFITS

- Optimal performance at ultra-high temperatures (up to 650°F/343°C)
- Fast data turnaround for swift decision making
- Innovative design allows easy on-site maintenance
- Robust electronics package enables fast, reliable logging in high-temperature environments
- Comprehensive data delivery including report with statistical joint-by-joint analysis, logs of finger Radii raw and centered, cross-sections and selected 3D images.

GENERAL SPECIFICATIONS

LENGTH	Caliper Centralizer Total Length	67 in (1701.8 mm) 38.25 in (971.55 mm)x2 143.5 in (3645 mm)
DIAMETER	5 in (127 mm) (Standard)	
WEIGHT	215 lbs (97.5 kg)	
MEASUREMENT RANGE	5.5 in -14.5 in (139.7 mm - 368.3 mm)	
MAXIMUM TEMPERATURE	650° F (343° C)	
MEASUREMENT SAMPLE RATE	50 Samples/sec	
HORIZONTAL ACCURACY/RESOLUTION	Radially ±0.02 in (0.508 mm)/0.001 in (0.025 mm)	
VERTICAL RESOLUTION @30FPM	0.12 in	
INCLINOMETER/HIGHSIDE RESOLUTION	±5° (5°-355°) rotation and inclination	
MAXIMUM PRESSURE	12,000 psi (827 bar)	
CONSTRUCTION MATERIALS	Corrosion-resistant throughout	

*Specifications are subject to change without notice