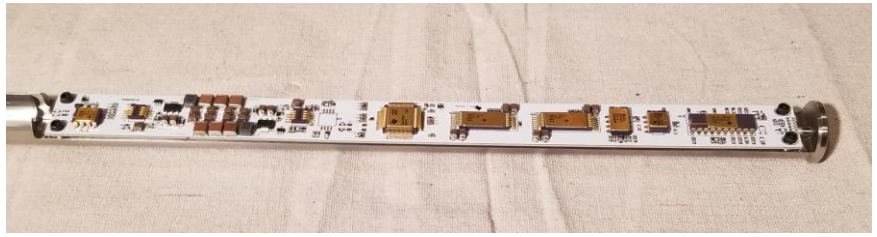
# Ultra High Temperature Logging Tool for Geothermal Wells

- DNV·GL, Rapid Prototypes and GeoTex Design Solutions are changing the Geothermal Logging Game
- Through research, materials science, advanced additive manufacturing techniques and electromechnical design, our team is developing a new generation of logging tools to better develop our Geothermal Resources



## Specifications

**Operational**

| Description | Specification |
|---|---|
| Tool OD | 4.5" / 114.3mm |
| Tool Length | 40" / 1m |
| Max Temperature | 400°C / 752°F |
| Max Pressure | 15,000PSI / 1034Bar |
| Max Time at Temperature | 10 hours [1] |
| Well Fluid Compatibility | 2% $H_2S$, HCl, 20% NaCl Brine, pH≥2 |
| Measurements | Well Temperature, Well Pressure, Inclination, Orientation, Electronic Temperature |

**Electrical**

| Description | Specification |
|---|---|
| Pressure Measurement Range | 0 – 15,000PSI / 0 – 1207Bar |
| Pressure Measurement Accuracy | 10PSI / 0.69Bar |
| Pressure Measurement Resolution | 1PSI / 0.07Bar |
| Temperature Measurement Range | -55 - 450°C / -67 - 842°F |
| Temperature Measurement Accuracy | 1°C / 1.8°F |
| Temperature Measurement Resolution | 0.1°C / 0.18°F |
| Inclination / Orientation Accuracy | 2° |
| Inclination / Orientation Resolution | 0.5° |
| Sampling Frequency | Programmable \| <10Hz |
| Data Storage | Onboard – non-volatile |
| Data Recovery | Serial retrieval |

**Mechanical**

| Description | Specification |
|---|---|
| Tool OD | 4.5" / 114.3mm |
| Tool Length | 40" / 1m |
| Cable Connection | 1-9/16-10 UN |
| Max tensile strength | 20,000lbsf / 89,000N |
| Max compression strength | 20,000lbsf / 89,000N |