



# 600°F (315°C) Memory X-Y Caliper Tool

The Scientific Drilling Memory X-Y Caliper presents internal casing diameter in two perpendicular planes. This gives data on the internal casing condition and shows the extent of the casing wear. It reveals the presence of anomalies on the internal casing wall.

## Features

- Battery operated
- Slickline conveyed
- Multiple logging passes to verify repeatability
- Can be run in conjunction with other memory production logging tools (pressure, temperature, gamma ray, casing collar locator and spinner).

## Uses

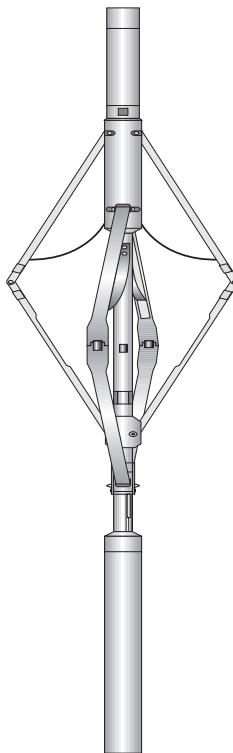
- Two internal diameter measurements are recorded simultaneously and show details of the mechanical integrity of the casing I.D.
- The tool is powered by lithium batteries and records all data to onboard nonvolatile memory (4MB). With the tool at surface, data is uploaded to a notebook computer and curves plotted.

## Advantages

The tool operates at temperatures up to 600°F (315°C) for up to 10 hours. This eliminates the cost associated with cooling the well down before logging. This allows a thorough evaluation of most geothermal and high temperature oil and gas wells.

## Identify Problems

- Locates evidence of internal corrosion
- Measures the internal diameter and “out-of-roundness”
- Identifies casing joints with differing weight or wall thickness
- Detects and evaluates defects due to mechanical failure
- Reveals scale or paraffin buildup



TECHNICAL SPECIFICATIONS	
Length	110 in (2.79 mm)
Tool OD	1.75 in (44 mm)
Number of Arms	Four (4)
Minimum Measuring Range	3 in (76.2 mm)
Maximum Measuring Range	10.5 in (267 mm)
Accuracy	±0.05 in (1.27 mm)
Logging Speed	30 – 100 ft/min (10 – 30 m/min)
Temperature Rating	600°F (315°C)

*Specifications are subject to change without notice.*

