

ULTRA-HIGH TEMPERATURE DIMENSION™ X-Y CALIPER



SKU: 18650-500

Categories: [Advanced Monitoring](#), [Caliper](#), [Dimension™](#), [Geothermal & UHT Logging](#), [Kuster®](#)

PRODUCT DESCRIPTION

The Ultra-High Temperature (UHT) Dimension™ is a geothermal XY Caliper memory tool that provides a fast-response temperature profile of the well and two continuous independent perpendicular measurements of the internal diameter of the casing.

Ratings & Dimensions

Max temperature	617°F (325°C)
Max pressure	8,500 psi (58.6 mPa)
Outer diameter	2.530 in. (64.26 mm) with standard wheels 2.125 in. (53.98 mm) with optional 0.665" wheels
Length	106.03 in (2.62 m)
Weight	65.0 lbs (29.5 kgs)
Materials	Nitronic 50 and Inconel

Hardware Characteristics

Sensor type	DVRT
Temperature	RTD
Battery type	AA Alkaline
Connections	$\frac{5}{8}$ " API Pin

Tool Measurements

Measurement Range	Min: 3.0 in (7.62 mm) Max: 14.0 in (35.56 mm)
Measure Points	Fully Open: X: 32.2 in (81.8 cm) Y: 28.3 in (71.8 cm)
Sample Rate Diameter	Fully Closed: X: 30.5 in (77.5 cm) Y: 26.8 in (68.0 cm) 20 sps

ONLINE TECHNICAL SPECIFICATION SHEET



Sample Rate Temp.	1 sps
Diameter Accuracy	± 0.25 in (± 6.35 mm)
Temperature Accuracy	± 0.27°F (± 0.15°C)

Electrical Specification

Consumption	3.6V
Interface	U-rod

Application

Mode	Memory
Logging Time	4 hrs @ 325°C, 6 hrs @ 300°C

Version Control: 2021.12.21

On-line specifications are for REFERENCE ONLY and subject to change without notice. DO NOT USE FOR FIELD OPERATIONS.