

Ultrahigh Temperature Dimension™ X-Y Caliper Tool

Provides fast-response well-temperature profile and casing ID with two continuous independent perpendicular measurements

Applications

- Accurate wellbore internal size measurement
- Casing and tubing evaluation
- Defects identification such as scale build up, corrosion, or deformation
- Completion items identification

Features and Benefits

- Ultrahigh temperature capability
- Suitable for geothermal applications

Tool Description

The Weatherford Ultrahigh Temperature Dimension X-Y caliper is a geothermal memory tool that provides a fast-response well-temperature profile and two continuous independent perpendicular measurements of casing internal diameter.

Specifications

Ratings and Dimensions

Maximum temperature	662°F (350°C)*
Maximum pressure	8,500 psi (58.6 MPa)
Outside diameter	2.530 in. (64.26 mm) with standard wheels 2.125 in. (53.98 mm) with optional 0.665-in. wheels
Length	106.03 ft (32.3 m)
Weight	65 lb (29.5 kg)
Materials	Nitronic 50 and Inconel®

*Will run at 662°F (350°C) up to one (1) hour.

Hardware Characteristics

Sensor type	DVRT
Temperature	RTD
Battery type	AA Alkaline
Connections	5/8-in. API Pin



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Specifications (continued)

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) Fully Closed: X: 30.5 in. (77.5 cm) Y: 26.8 in. (68.0 cm)
Sample rate diameter	20 sps
Sample rate temperature	1 sps
Diameter accuracy	± 0.25 in. (± 6.35 mm)
Temperature accuracy	± 0.27°F (± 0.15°C)

Electrical

Consumption	3.6V
Interface	U-rod

Application

Mode	Memory (MLT)
Logging time	4 hr at 617°F (325°C) 6 hr at 572°F (300°C)

