Technical Specification Sheet

X-Y Caliper - Digital - w/ Temperature - 3 1/2 in.

The X-Y Caliper tool measures the size of the borehole and provides two independent caliper curves simultaneously. The two sets of opposing arms arranged in an X-Y configuration measure borehole irregularities such as oval shapes, large washouts, or extreme restrictions more accurately than conventional 2-arm or 3-arm caliper tools. The tool may be used in either open-hole or cased-hole logging.

Ratings & Dimensions

Max Temperature	350°F (177°C)
Maximum Pressure	18,500 psi (127.5 MPa)
Outer Diameter	3.5 in (88.9 mm)
Length	70.08 in (1780.03 mm)
Weight	95.0 lb (41.0 kg)
Min Csg/Tbg OD	4.5 in (115.0 mm)
Max Csg/Tbg OD	30.0 in (762.0 mm)
Tensile Strength	**Tension:** 12,500 lb **Compression:** 12,500 lb
Measure Points	**X:** 16.1 in (408.94 mm) **Y:** 15.1 in (127.0 mm) **Temperature:** 7.9 in (200.66 mm)

Borehole Conditions

Borehole Fluids	Salt, Fresh and Oil
Tool Positioning	Centralized
Logging Speed	**Recommended:** 30.0 ft/min (9.0 m/min) **Maximum:** 60 ft/min (18.2 m/min)

Hardware Characteristics

Sensor Type	Linear Motion Resistive Potentiometer
Transmission Type	Digital Telemetry
Data Rate	20 frames per second
Combinability	GR, CCL, Additional Telemetry Tools
Connections	**Top:** GO Pin Box **Bottom:** GO Pin Box

Measurements

Principle	Mechanical Actuation of Linear Motion Potentiometers
Range	4.5 in to 30.0 in (115.0 mm to 762.0 mm) 4.5 in to 58.0 in (115.0 mm to 1473.2 mm) with ext kit
Vertical Resolution	0.3 in (7.6 mm) at 30.0 ft/min (9.0 m/min)
Accuracy	+/- 0.25 in (+/- 6.4 mm)
Primary Curves	Borehole size in X and Y Axis
Secondary Curves	Head Voltage
Temperature	Degrees F or C

Calibration

Primary & Wellsite	Calibration Fixture 035-FH099-0070

Electrical Specification

Voltage / Current	120 V+ DC @ 40mA

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