Technical Specification Sheet

ProMAC™ 24 | Multi-Arm Caliper Tool - PTX - 1 $^{11}/_{16}$ in.

The latest generation ProMAC™ series 24-arm caliper tool incorporates a series of mechanical, electrical and electronic design features that greatly increase tool accuracy, reliability, maintainability and overall cost efficiency.

Ratings & Dimensions

Max Temperature	350°F (177°C)
Max Pressure	15,000 psi (103.4 mPa)
Diameter	1.69 in (43.0 mm)
Length	61.2 in (1,554.5 mm)
Weight	25 lb (11.4 kg)
Tensile Strength	**Connection:** 15,000 lbf **Body:** 20,000 lbf
Measure Points	**Caliper:** 27.7 in (703.6 mm) from bottom of tool **Inclination:** 49.6 in (1,260 mm) from bottom of tool
Materials	Corrosion resistant materials used throughout

Hardware Characteristics

Sensor Type	**Inclinometer:** 3-axis accelerometer
	Caliper: Differential Variable Reluctance Transducer
Combinability	All PTX tools: GR, CCL, iQ, RADii
Tool Positioning	Centralized
Acquisition Mode	SRO Only

Electrical Specification

Voltage	120V DC
Current	15mA(log) 40mA(opening)

Caliper Measurements

Sampling Rate	10 sps
Vertical Resolution	0.3 in (7.6 mm)
Radial Resolution	0.001 in (0.025 mm)
Logging Speed	30 ft/min (9 m/min)
Radial Accuracy	+/- 0.02 in (+/- 0.5 mm)
Diameter Range	1.75 in (44.5 mm) to 7.0 in (177.8 mm)
Primary Output	24 independent radii measurements
Secondary Output	Head voltage, internal temperature, accelerometer

Accelerometer Measurements

	Inclination	**Relative Bearing**
Range	0° to 180°	0° to 360°
Accuracy	+/- 1.0°	+/- 1.0°
Resolution	+/- 0.1°	+/- 0.1°

Calibration

Primary / Wellsite	Precision machined calibration bowl

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