

X-Y Caliper Tool (DCT13)

Titan Division | Instruments

Overview

The X-Y Caliper Tool (DCT13) is run centralised in the production logging toolstring. The caliper arms are set at 90° to each other, to measure casing ID in the X-Y axes. The caliper assembly is fully collapsible down to tool diameter for running into and pulling of hole.

Application

- Determination of X and Y diameters at 90° in cased hole
- Measuring of casing deformation and major corrosion
- Detection of scale deposition in casing or tubing
- Correction of spinner derived fluid velocity

Features

- Combinable with WSTBus
- Non dynamic sealing structure
- Low power consumption
- LVDT sensor

Specifications

OD	43mm (1 11/16")
Cable	Mono-conductor
Max Working Temperature	177°C (350°F)
Max Working Pressure	103MPa (15000psi)
Tool Length	1125mm (44.28")
Make-up Length	1015.5mm (39.98")
Zero Length	
X Arm	714.2mm (28.12") - 752.3mm (29.62")
Y Arm	789.2mm (31.07") - 827.3mm (32.57")
Weight	6.5kg (14.33lb)
Operating Voltage	15-23V (Typical 18V)
Operating Current	<40mA
Resolution	0.381mm (0.015")
Accuracy	2.54mm (0.1") up to 150°C 5.08mm (0.2") up to 165°C 7.62mm (0.3") up to 175°C
Measuring Range	50.8mm (2") - 228.6mm (9")
Signal Amplitude	±1V
Upper Threads	1 3/16 -12UN-2A/2B
Lower Threads	1 3/16 -12UN-2A/2B

